

The
CHEMIST AND DRUGGIST
 for RETAILER - WHOLESALE - MANUFACTURER

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APRIL 28, 1945

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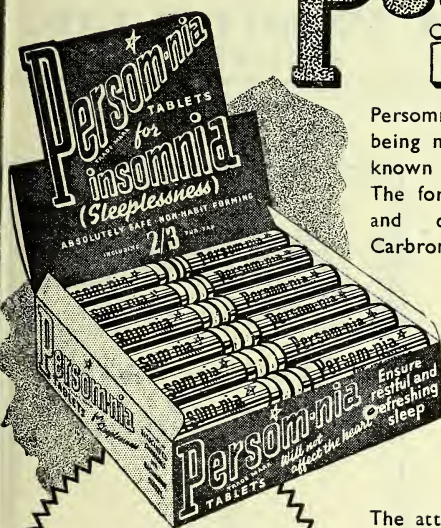
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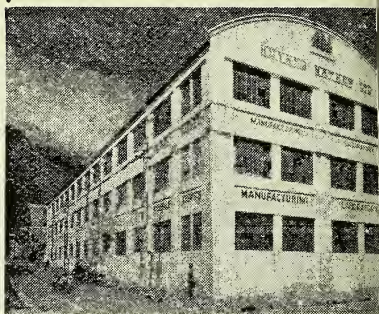
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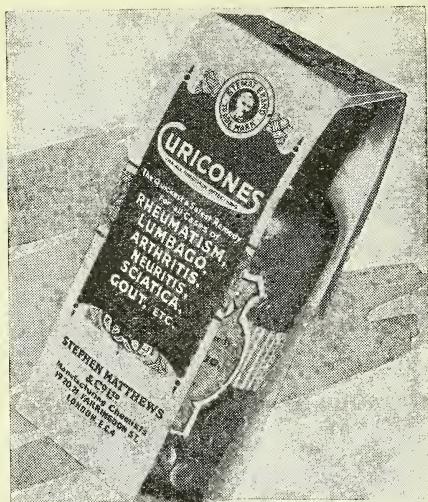
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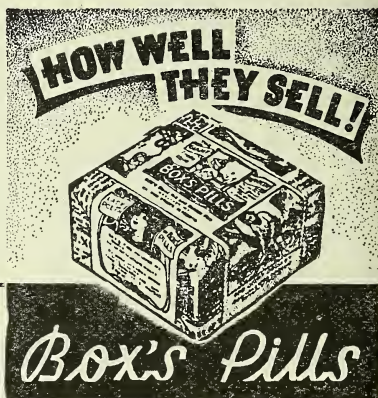
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SHIELD'**



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FRUIT LAXATIVES
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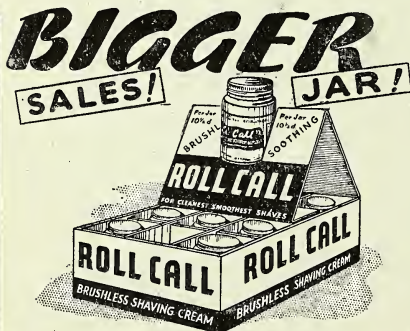
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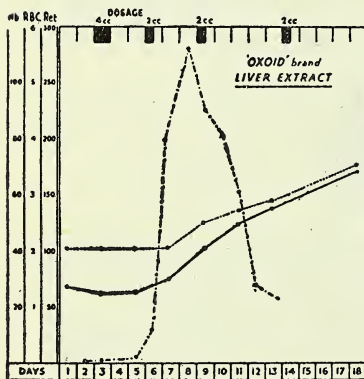
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NEWS OF THE WEEK

N.P.U. Election Results.—The results of the two contests in the National Pharmaceutical Union elections (see *C. & D.*, April 21, p. 403) were as follows:—

Southern Division 2:—

McNeal, James Fallows	101
Rees, William Talvan	79
Tydemann, Samuel George	69
Mallinson, Jack Douglas	42
Sayer, Sidney	15

Metropolitan Division:—

Skues, Ernest	378
Booth, Thomas Charles Neville	97
Cunningham, Ivor John	82

Messrs. McNeal and Skues have therefore been declared elected.

The Budget.—The Chancellor of the Exchequer (Sir John Anderson) introduced the Budget in the House of Commons on April 24. Expenditure for the past financial year reached the record total of £6,063 million. Estimated revenue for 1945-46 £3,265 million, with an estimated expenditure of £5,565 million. No major changes in taxation were recommended but

another Budget may be brought forward later in the year. The minor tax changes proposed included further E.P.T. relief for new and small enterprises; exemption from Customs duty of imported hydrocarbon oils used for chemical industries; and a new method of taxation on motor vehicles first registered after January 1, 1946.

Shop-window Lighting.—It is understood from an authoritative source that the lifting of the "dim-out" regulations on April 23 does not cancel the Order prohibiting any illumination in shop windows and doors or the exterior lighting of shop premises.

Postal Service to Italy.—Postcards and letters on personal matters or on business matters limited to ascertaining of facts and exchanging information are now accepted up to 2 lb. in weight for the provinces of Lucca and Pistoia. Correspondence for parts of the provinces not yet open for service are being held by the Italian Post Office until delivery can be effected.

Acetic Acid for Bakers.—The Ministry of Food has made arrangements for the release of acetic acid to bakers for the control of "rope" during the coming summer.

D.D.T. in Ireland.—Supplies of D.D.T. insecticide have been imported into Ireland recently from the United States and are to be put on the market through pharmacies, it is understood, in the near future.

Torquay Branch Officers.—At the annual meeting of the Torquay Branch of the Pharmaceutical Society recently, the following officers were elected: *Chairman*, Mr. T. D. Evans; *Vice-chairman*, Mr. R. F. Parker; *Treasurer*, Mr. W. H. Wyatt; *Secretary*, Mr. H. T. Franks.

Glyn-Jones Memorial Fund.—The trustees of the Glyn-Jones Memorial Fund state that in June they will consider applications for grants towards college fees and/or maintenance from students of pharmacy. Applicants will be required to disclose in strict confidence full details of their financial resources, and grants for college fees will be for the coming session, no application being considered after May 18. Application forms may be obtained from the secretary to the Trustees, Glyn-Jones Memorial Fund, 17 Bloomsbury Square, London, W.C.1.

Kinninmont Prize.—The annual competition for the Kinninmont Prize (a scholarship valued at £10 10s., and tenable at the Royal Technical College, Glasgow) will be held early in June. The competition is open to all students in the area covered by the Glasgow and South-western Scottish Branch of the Pharmaceutical Society who are attending or have attended an approved course of instruction for the Intermediate examination. The prize will be awarded on the result of a written examination in chemistry, physics and botany, of a total of three hours' duration. Intending candidates should send their names before May 15 to Mr. H. P. Arthur, M.P.S., 361 Victoria Road, Glasgow, S.2.

Bradford Branch Annual Meeting.—The annual meeting of Bradford District Branch of the Pharmaceutical Society was held on April 10 under the retiring chairmanship of Mr. V. Flanagan. Miss L. N. Firth, Ph.C. (pharmacist at St. Luke's Hospital, Bradford), was elected *Chairman*—the first woman chairman and first hospital pharmacist in the chair in the history of the branch. Messrs. J. Wilkinson and Bernard Whittaker were elected senior and junior *Vice-presidents*; Mr. Eric Robinson was re-elected *Secretary* and *Treasurer*; and

Messrs. Flanagan, J. Tidswell, J. B. jun., and Miss M. Speed were elected for four vacancies on the branch Council. Discussion ensued on the programme for the year, and consideration was given to a Blackpool branch resolution, part of which calling for closer attention by the Council to branch resolutions, was felt to be ambiguous, while another part, asking for more reports of branch meetings in an official publication, even at the cost of scientific articles, was opposed. A part, asking for area representation on the Pharmaceutical Council, was supported.

Pharmaceutical Society Examination Results.—The following candidates passed the examiners in the Chemist and Druggist Qualifying examination held in Scotland in April:—

Blass, Ronald Harry, Leeds
Bradshaw, Joan Templeton, East Hill, Carnarvon
Cheyne, Margaret Hellen, Aberdeen
Cowen, Joan, Keswick
Darborough, James Inglis, Rock Ferry
Donaldson, Douglas, Bangor
Holcroft, Thomas William Winifred, Durham
Hughes, John Cledwyn, Llansantffraid
McIntosh, Moyra Hope, Annan
Norman, Ralph Edward, Liverpool
Roberts, Robert Caradog, Liverpool
Sharp, Thomas, Hartlepool
Smith, Roberta Isobel, South Shields

British Pharmaceutical Conference.—Following arrangements have been made for the annual meeting of the British Pharmaceutical Conference which will be held at the Waldorf Hotel, Aldwych, London, W.C.2, on Wednesday, July 10, 1935, at 9.30 a.m. Opening meeting at the Waldorf Hotel.

10.45 a.m. Science Session.
1 p.m. Luncheon.
2.15 p.m. Science Session.
4.30 p.m. Tea.
5 p.m. Science Session, followed by business meeting.
7 p.m. Informal dinner (more dress).

Applications for inclusive day tickets, price 25s. each, should be made to the secretaries, British Pharmaceutical Conference, 17 Bloomsbury Square, London, W.C.1, as early as possible, and not later than July 3. Intending visitors are reminded that there is keen demand for hotel accommodation in London, and they are therefore advised to make reservations well in advance of the meeting.

TOPICAL REFLECTIONS

Restoring Prosperity

The retiring president of the Federation of British Industries (Sir George Nelson) clearly stated at the Federation's annual meeting (p. 400) the considerations of all of us need to keep in mind in dealing post-war problems. There will be general agreement with his view that the main objectives before the country are to maintain peace and to restore prosperity. Responsibility for the first of these objectives rests on the Government; responsibility for the second is the concern of every worker, whether employer or employed. Sir George Nelson does not minimise the difficulties confronting British commerce. "If," he says, "the world is going to develop into a much more prosperous place, there will be in that process certain changes which to my mind cannot be avoided or delayed indefinitely. . . ." In, "Although we should take a long and broad view of these matters, we cannot overlook the fact that Britain, by its deficiency of credits to pay for the necessary machines and equipment to hold the promise of freedom alone, has a particular problem of its own to solve in the early years after the war. . . ." In order to solve these and other problems as quickly as possible, there must be "the closest constructive collaboration between the Government in directing labour, the employers and the unions in ensuring that the most efficient use is made of it. . . . I regard the employers and employed as partners, and each must play their part." Every great constructive period, when analysed by historians, is found, I suggest, to have a combination of old material and method combined with new elements in both factors.

Spring Flowers

As far as my observation goes, spring flowers have of late played up to the spell of warm weather with alacrity, and have made the naturalists look up their records of early appearances. Several of these flowers are the plants to which they belong have their places in the history of materia medica. It will suffice to instance, the daffodil, the primrose and the cowslip. The word "daffodil" is a corruption of "affodil," a name properly appropriated to the genus *Asphodelus* (N.O. Liliaceae). Early in the seventeenth century the two species were sorted out; thus, Markham, "English Housewife" (1637), wrote:

"You must be careful that you take not Daffodil for Affodil." In Nicholson's "Dictionary of Gardening" eleven pages are devoted to cultivated varieties of *Narcissus* (N.O. Amaryllidaceae), the daffodil. Thomas Johnson, who greatly improved Gerard's "Herbal" in the edition of 1633, described twenty-four kinds of "daffodils," and favoured the now accepted derivation of "narcissus" from the Greek *narkē*, numbness. "Pliny and Plutarch affirm . . . that their narcotic quality was the very cause of the name *Narcissus*, that is a quality causing sleepiness . . . which properly belongeth to the *Narcisses*, whose smell causeth drowsiness." A decoction of the root of the plant, with carminatives, was then regarded as a useful purgative, and a water distilled from the flowers as a cure for palsy. As we glance through old herbals, we may well ask whether there is any known plant that has not at some time or other been pressed into the service of medicine.

Primrose and Cowslip

All parts of the primrose plant were drawn upon for the purposes of early English medicine. Gerard records that a physician succeeded in curing a "phrensy" by employing an infusion of the leaves and flowers with adjuvants. He says that the juice of the root, sniffed up the nostrils, "purgeth the braine, and qualifieth the payne of the megrim." An undated manuscript (presumably of the fourteenth century), cited in the C. & D. nineteen years ago, recommended that a "lef" of the plant be laid under the tongue of a patient who had lost the power of speech; and in the same document an ointment made from the whole plant and other ingredients was described as useful in "the schakyng of hede and of handes." The cowslip was admitted to the first London Pharmacopœia as *Primula veris* (still its botanical name), with the synonyms *Herba Paralyseos* and *Verbasculum Odoratum*. It remained official till 1746, and was a constituent of different varieties of aqua paralytica and of syrupus paralyseos. Cowslip conserve and cowslip wine have long had a domestic reputation, and may still be esteemed in places where such traditions survive. The cowslip, though familiar enough, appears to be less common in fields than its companion the primrose; possibly it is more exacting in its choice of soil and situation.

Xrayser

COMPANY NEWS

S. A. RHODES (CHEMISTS), LTD. (P.C.).—Capital £1,000. Chemists, etc. Stuart A. Rhodes, M.P.S., and Wilfred J. Burrows, M.P.S., directors. R.O.: 11 Derby Road, Borrowash, Derby.

PURICINE PRODUCTS, LTD. (P.C.).—Capital £500. Chemical products for industrial or pharmaceutical use, etc. Directors not named. R.O.: 146 Bishopsgate, London, E.C.2.

POLAR FLEECE CO., LTD. (P.C.).—Capital £500. Manufacturers of and dealers in powder puffs, toilet goods, fancy goods, etc. W. J. Norton and W. A. Littler, directors. R.O.: 17 Highcross Street, Leicester.

SCHALL PRODUCTS, LTD. (P.C.).—Capital £5,000. Manufacturers of and dealers in toilet requisites, containers, bottles, tubes, etc. Ernest Alexander, director. R.O.: Audrey House, Ely Place, London, E.C.1.

WHITE LION DRUG STORES, LTD. (P.C.).—Capital £100. Manufacturers of and dealers in chemicals, drugs, oils, colours, etc. Mrs. Sylvia Shadforth and Mrs. Emily H. Shadforth, directors. R.O.: 103 Cannon Street, London, E.C.4.

BOLGATES, LTD. (P.C.).—Capital £2,500. Manufacturers of and dealers in chemicals, drugs, medicines, plasters, disinfectants, toilet requisites, etc. Geo. A. Bolton, M.P.S., director. R.O.: 258 Twickenham Road, Isleworth, Middlesex.

WM. STEWART & ARNOLD, LTD. (P.C.).—Capital £1,000. Manufacturers of and dealers in food and food products, chemical and pharmaceutical products, etc. Joseph Segall and William S. Peschardt, directors. R.O.: 26-27 Conduit Street, London, W.1.

P. H. GALLOWAY, LTD.—Net profit for the year 1944, after charging expenses and depreciation, but before taxation, amounted to £47,366, against £35,194 in 1943. The directors recommend an ordinary dividend of 10 per cent., less tax (same).

WINDING-UP MEETINGS.—Meetings of members and creditors of Freeman's Cough Mixture, Ltd., will be held at 48-50 Exchange Buildings, New Street, Birmingham, 2, at 11.30 a.m., and of J. & E. Freeman, Ltd., at 12 noon on April 30, to show how the winding-up of the companies has been conducted.—A meeting of members of F. W. Jackson (Pharmacy), Ltd., will be held at 67 Lord Street, Liverpool, 2, at 11 a.m. on May 7, to show how the winding-up of the company has been conducted.

TRADE NOTES

Sole Distributors.—S. Maw, Son & Son Ltd., Aldersgate House, New Barnet, Her have been appointed sole distributors. Persom-nia, a preparation which is described as the ideal soporific and sedative.

Two Sizes Available.—Stephen Matthe & Co., Ltd., 19-21 Farringdon Road, London, E.C.4, point out that two sizes. Curicones are available through leading wholesalers, and that many customers prefer the large bottle.

Methyl-thiouracil.—The British Dr. Houses, Ltd., London, N.1, announce that they can supply tablets of methyl-thiuracil, B.D.H., 0.2-gm., 0.1-gm. and 0.05 gm., at the same price as tablets of thiuracil, B.D.H.

After-process for Better Prints.—A pure photographic after-process, which is claimed to produce sharper prints of better reproduction value, has been introduced under the name Deltex by Behr, 44 Temple Fortune Lane, London, N.W.11. Deltex enables high contrast to be obtained in the fine-detail portion of a photograph, while retaining normal contrast in the remainder.

Business Changes

LODGE, ROBIN, LTD., manufacturers of chemicals and distillers of essential oils have removed to Homestead, Laleham-on-Thames, Middlesex (Telephone: Staines 3698).

THE CROOKES LABORATORIES (BRITISH COLLOIDS, LTD.) notify the following staff changes: Mr. J. G. Brown, M.P.S., has been appointed factory manager; Mr. J. I. Bowden, M.P.S., becomes sales manager.

Proprietary Articles Trade Association

Alterations to Protected List.—*Glaxo Laboratories, Ltd.*, Diencestrol tablets, reduced price 0.1-mgm., 25's, 8s. doz., tax 1s. 4d. doz. inclusive retail price 1s. 1½d.; 100's, 18s. doz., tax 3s. doz., i.r.p. 2s. 6d.; 1,000's, 108s. doz., tax 18s. doz., i.r.p. 15s.; 0.3-mgm., 25 10s. doz., tax 1s. 8d. doz., i.r.p. 1s. 5d.; 100 24s. doz., tax 4s. doz., i.r.p. 3s. 4d.; 1,000 144s. doz., tax 24s. doz., i.r.p. 20s. Ne potencies: 1-mgm., 25's, 12s. doz., tax 2s. doz. i.r.p. 1s. 8d.; 100's, 36s. doz., tax 6s. doz. i.r.p. 5s.; 1,000's, 216s. doz., tax 36s. doz. i.r.p. 30s.; 5-mgm., 25's, 3s., 24s. doz., tax 4s. doz., i.r.p. 3s. 4d.; 100's, 72s. doz., tax 12s. doz., i.r.p. 10s.; 1,000's, 36s. each, tax 6s. each, i.r.p. 60s.

Deletions.—*Jeyes Sanitary Compounds Co. Ltd.*, Jeyes lysol.

Henry C. Miner, Ltd., Lotion A.D.C.
Fassett & Johnson, Ltd. (agents). Mulsific coconut-oil shampoo. Glostora.

MARRIAGES

LEFFINGWELL—MARNs.—At the Military chapel, Kandy, Ceylon, on April 15, Captain Robert G. Leffingwell, United States Army, to Joyce Audrey Marns, W.R.N.S., only daughter of Mr. Thomas Marns, M.P.S., 9 Audley Road, London, W.5.

Silver Wedding.—**DUNCAN—WILSON.**—At Palace Hotel, Edinburgh, on April 14, 1920, David Duncan, M.P.S., Hillhead, Glasgow, to Marion (Mamie) Pettigrew, Dalashiels. Present address: 308 Byles Road, Hillhead, Glasgow.

DEATHS

BRAITHWAITE.—On April 15, Mrs. Mary Elizabeth Braithwaite, widow of the late Mr. John Oldham Braithwaite, Ph.C., Hingford, aged eighty-two.

CUNNINGHAM.—On April 17, Mrs. Agnes Cunningham, the wife of Mr. J. H. Cunningham, M.P.S., 7 St. Georges Road, Wimbledon, London, S.W.19.

THORPE.—At Blackpool, on April 17, Mr. John William Thorpe, M.P.S., 127 Killinghall Road, Bradford, a past-president of the old Bradford Pharmaceutical Association and the first chairman of the present Bradford Branch of the Pharmaceutical Society. Mr. Thorpe had gone to Blackpool for a month's recuperation, having been in poor health for some time. He

leaves a son (Mr. Basil Thorpe, M.P.S.) who is continuing the business at Killinghall Road. A native of the village of Thorpe, nr. Sheffield, Mr. Thorpe served his apprenticeship at Barnsley in 1894, qualified in April 1904, and subsequently worked at Northallerton, Rotherham, Sheffield, Derby and Harrogate before establishing his own business at Bradford in August 1915. He promptly joined the local Pharmaceutical Association and threw himself into its activities. He was its last president at the time of the change of constitution to a Pharmaceutical Society Branch. Mr. Thorpe, who also served many years on the Committee of Bradford Branch of the National Pharmaceutical Union and on the local Insurance Committee, was one of the

founders of the Bradford Chemists' Alliance, Ltd. (a mutual buying organisation), and its very active honorary secretary from its inception in 1917 to the time of his death. He was chairman of Bradford Pharmaceutical Committee for a number of years.

LAWRENCE.—In hospital, on April 6, Mr. A. Lawrence, 56 Green Lane, Liverpool, 18, aged eighty. Mr. Lawrence's death followed closely upon an operation performed at the Liverpool Northern Hospital. A native of Oban, he qualified as a chemist and druggist in 1894, and was in business for himself in Great Charlotte Street, one of Liverpool's busiest centres, from 1907 to 1941, when his premises were completely destroyed by enemy action. Since that date he had been living in retirement.

SIMPSON.—In action on January 30, 1944, Mr. Charles Stronach Simpson, M.P.S., Kirkton, Cornhill, Banffshire. Mr. Simpson, qualified in 1939.

TAYLOR.—On March 31, Mr. Frederick Taylor, M.P.S., 32 Splott Road, Cardiff. Mr. Taylor qualified in 1903.

WILES.—Recently, Mr. Clarence Arthur Leslie Wiles, M.P.S., 62 South Park, Lincoln. Mr. Wiles qualified in 1914.

PERSONALITIES

MR. W. C. CASTERTON, J.P., M.P.S., has been re-elected chairman of the Market Rasen urban district council for the second successive year.

MR. WILLIAM RAMAGE, Green Meade, Queen's Road, Ryde, Isle of Wight, who was recently appointed chairman of the Isle of Wight Branch of the Pharmaceutical Society (*C. & D.*, March 31, p. 315), served his apprenticeship under Mr. E. W. Pollard, B.Sc., Ph.C., chairman of Pollard & Ramage, Ltd., the company of which Mr. Ramage is himself a director. In the war of 1914-18 he saw army service in India and Palestine for three years from 1915, and qualified in 1921. From 1921 to 1923 he acted as manager for Perkins & Co., chemists, Piccadilly, London, W.1, and in 1923 went into partnership with Mr. E. W. Pollard, under the style of Pollard & Ramage, at Newport, Isle of Wight. In the same year he was appointed secretary of the Isle of Wight Branch of the Pharmaceutical Society, a position he held for twenty-one years, yielding office so recently as 1944. Until the "stand-down" of the Home Guard he was captain and second in command, Ryde. He is a Past Master of the "Mark" Lodges of Freemasons, No. 951 and Albany T.I.



P.A.T.A. ANNUAL MEETING

THE forty-ninth annual meeting of the Proprietary Articles Trade Association was held in London on April 12, the president (Mr. R. Peck) in the chair. THE PRESIDENT moved the adoption of the annual report and financial statement, which, he said, members would regard as a most satisfactory record. The adoption of the report was seconded by Mr. S. W. HAGUE, and carried unanimously. The meeting confirmed amendments to rules passed by the Council at meetings in October 1944 and April 1945. Votes of thanks to the secretary and staff, and to the chairman, concluded the proceedings.

Annual Report

The following items are taken from the annual report of the Association, which was adopted on the president's motion.

Membership of the three sections (manufacturers', wholesale and retail) shows no appreciable change. At the end of the year there were 362 members of the manufacturers' section; the wholesale section remains unchanged; in the retail section membership is slightly under the 10,000 mark. Membership of the section being voluntary and, in effect (though not at present by rule), restricted to chemists, the figure is to be regarded as satisfactory. For assistance in collecting the majority of retail section subscriptions, the National Pharmaceutical Union is thanked by the Council.

During the year the Association's limited outdoor staff has paid approximately 2,480 investigation and inquiry calls, and made 940 test purchases. The unsatisfactory position in regard to the allowance of dividend on P.A.T.A. goods by various retail co-operative societies referred to in last year's report has improved to a certain extent, but is still a legitimate cause for complaint in some areas. The Council considers that the 1944-45 issue of the P.A.T.A. Protected List and Year Book was a particularly creditable achievement, in view of stricter paper control and restrictions on advertising space. The format of the year book was improved, and easier reference to the essential price-list section made possible. The book was printed, published and distributed at a slight profit.

A committee of inquiry appointed by the Association to give a report on future policy, held a number of meetings, under the chairmanship of the president, heard

the views of representatives of the N.P. Executive, surveyed the whole field of the Association's policy since its inception, and submitted its report to the Council. Having elicited the views of the general body of manufacturer members, the Council formulated proposals involving certain modifications in P.A.T.A. policy, to which three sections of the Council subscribed. The proposals have since been accepted by the N.P.U. Executive, and it is anticipated that steps to operate them will be taken during the year.

The Association's finances have been maintained at a satisfactory level. Membership subscriptions total £9,316; donations from manufacturers and retail amount to £832; receipts from year-book advertisements, at £874, are £106 in excess of the cost of printing and circulating the book. Balance of income over expenditure stands at £212.

Meeting of Council

The quarterly meeting of the Council was held in London on April 12, the president (Mr. R. Peck) in the chair. A resolution expressing appreciation of the late Mr. John Keall (a former member of Council and president of the Association and of sympathy with his family, who passed in silence, all standing.

THE PRESIDENT welcomed the two new members of Council (Messrs. C. S. Challinor and S. J. Stearn), who had been co-opted at the January meeting to fill vacancies in the retail section, and who suitably acknowledged the president's remarks.

Policy and Procedure

Proposals affecting the Association's policy and procedure which, after unanimous endorsement by the Council at the January meeting, had been forwarded to the Executive of the National Pharmaceutical Union, were next dealt with by the president. In submitting the proposals the Council recalled that, at its meeting in October 1943, representations from the N.P.U. Executive about P.A.T.A. policy, mainly in relation to the distribution of medicinal proprietary articles, had been considered. The Council, in reply, had set out the guiding principles of the Association's policy as a price-maintenance organisation, and had intimated that it would be prepared to consider any practical suggestions the N.P.U. Executive desired to convey. At the next meeting, in January

44, suggestions regarding the future institution and operation of the P.A.T.A. were considered which had been put forward by the N.P.U. An outcome was the appointment of a Committee of Inquiry to consider the future policy of the P.A.T.A. in the light of present circumstances." This committee, under the chairmanship of the president, had held a number of meetings, during which the whole field of policy was surveyed. In due course the committee submitted its report. The committee found great difficulty in reaching agreement on a policy to be recommended to the Council, and the Council, in turn, having elicited the views of the general body of manufacturer members, had had the hard task of finding a level of agreement acceptable to all three sections. The suggestions put forward had now been embodied in the necessary enforcing resolutions, which had been submitted to and approved by the three sections of the Council.

THE PRESIDENT, after referring to the patient and co-operative spirit which had animated the Council in dealing with this difficult problem, and its realisation of the overriding necessity of preserving unity among members of the three sections, expressed gratification that an acceptable understanding had been reached with their friends of the N.P.U. Executive. He then moved the following resolutions:—

MEMBERSHIP OF THE RETAIL SECTION.—
Amendment of Rule 2.—The final paragraph of rule 2 (election of members) to be amended to read as follows: Applications for membership of the retail section, which may be made either direct to the Association or to the National Pharmaceutical Union, which shall be authorised to recommend such applications to the Council for acceptance, shall be entertained only from persons, firms or bodies corporate whose names appear in the Register of Premises registered under Section 12 of the Pharmacy and Poisons Act, 1933. This amendment to come into force on and from the date of its confirmation by the annual meeting of members of the Association.

DIVISION OF PROTECTED LIST.—In accordance with powers vested in them under Rule 35 of the Association's rules, the Council hereby resolve that the Association's protected list to be published in 1946, and all subsequent issues of the list, shall be divided into two or more sections, the first section to comprise only proprietary articles of a medicinal or surgical nature intended for human use.

MEDICINAL AND SURGICAL PROPRIETARY ARTICLES.—That all members of the manufacturers' section of the Association be advised: a) of the Council's intention to include all medicinal and surgical proprietary articles

protected by the P.A.T.A. in a separate section of the protected list; (b) of the Council's recommendation that, where practicable, the allowance of preferential trade terms for products included in the medicinal and surgical section of the list shall be restricted to members of the retail section of the Association; (c) that it is the Council's recommendation that manufacturers of medicinal and surgical proprietary articles included in the protected list shall do their utmost to promote the sale of such articles through chemists, and, in their Press advertising of these articles, confine reference to retail distributors to the simple statement, "Obtainable from all chemists" (or words to that effect), or omit altogether all reference to retail distribution.

WHOLESALE DISTRIBUTION.—That a subcommittee be appointed to examine in detail, and in particular from the price-maintenance point of view, the subject of wholesale distribution of proprietary articles included in the P.A.T.A. List, and that, in the meantime, all manufacturer members shall be reminded of the clause in their membership agreement with the Association by which they undertake not to open new wholesale accounts without prior reference to the P.A.T.A.

The president's motion was seconded by the chairman of the wholesale section (MR. E. J. SMITH), and supported by the chairmen of the manufacturers' and retail sections (MESSRS. H. G. MIDDLETON and E. SKUES) and by other members of the Council, and was carried unanimously. The Council then appointed the following as the subcommittee to deal with the question of wholesale distribution referred to in the final resolution: The president, chairmen of the three sections, and Messrs. J. D. Bohn, R. G. Dyas, S. W. Hague, W. S. Howells, P. G. Hunt, and Colonel S. Watson.

Post-war Surplus Proprietaries

The Council received reports regarding arrangements for dealing with surplus stocks of medicinal and toilet proprietaries held by Service canteens and other war-time organisations in the post-war period, and were satisfied with the steps so far taken.

A report on discussions on the subject on price-maintenance of toilet and perfumery preparations was received, and the matter was left in the hands of the appropriate subcommittee for further investigation and report. A report on the Association's price-maintenance work showed that during the previous quarter 320 calls and inspections had been carried out. In eleven instances only had there been evidence of price-cutting on the part of the traders at whose shops the tests were made.

LONDON TRADERS' REPORT

THE following information of interest to the drug trade has been abstracted from the sixty-third annual report of the London Chamber of Commerce:—

During 1944 the Botanical Drug Importers' Section, acting on behalf of the Ministry of Supply, distributed cascara bark and lobelia herb imported under Lend-Lease arrangements to the value approximately of £45,400. In addition, Russian liquorice root, buckthorn bark and henbane leaves to the value approximately of £24,200 have been distributed. In consequence of the discontinuance of the importation of a number of botanical drugs from the United States under Lend-Lease arrangements, licences have been granted from time to time during the year on the Section's recommendations to qualified importers to import limited quantities of extract of hamamelis, hydrastis root, leptandra root, lobelia herb, podophyllum root, slippery elm bark and wild cherry bark. Representations made by the Section to the Directorate of Medical Supplies resulted in the resumption of the importation of aconite, balsam of tolu, black haw bark, cannabis indica, cascarilla bark, cocillana bark, damiana leaves, gentian root, grindelia, gum guaiacum, senega root and wahoo bark; and, at the request of the Director of Medical Supplies, the Section at various times submitted recommendations for the granting of licences to import a further twenty-two botanical drugs.

Ipecacuanha Importations

The Section's scheme for the distribution of ipecacuanha root commenced to operate early in the year, but, soon after allocations had been made to distributors, the Brazilian Government suspended the issue of export licences. After discussions between that Government and the British Consul at Rio de Janeiro, arrangements were made for 60 per cent. of the quantities contracted for to be shipped. Later, however, further supplies became available, and the Section was able to restore the reduction of 40 per cent. which had necessarily been made in the quotas concerned and also to make allocations to a further number of distributors. On the arrival of several shipments of Matto Grosso in this country, however, it was found on test that the material was more in keeping with Minas. Importers concerned thereupon agreed to sell the material at the Minas price, and to meet this situation the necessary amend-

ments to the scheme were made with approval of the Director of Medical Supplies. *Chairman*, Mr. A. T. Wheeler; *Deputy-chairman*, Mr. A. E. Brome.

Essential Oil Importers' Section

This Section's work was again almost wholly in connexion with the essential importation and distribution scheme. The Section is represented on the advisory committee which administers the control in consultation with the Ministry of Food. Under war conditions, many important essential oils are unobtainable or are in very short supply, and a considerable proportion of what is brought in has therefore to be directed primarily to essential uses often under arrangements amounting to rationing. The scheme is complex, owing to the wide range of oils involved and the technicalities, and the Section has throughout felt some misgivings that it might not work really smoothly. In the early part of 1944 there was delay in distribution, due largely to these complexities; later in the year, however, distribution was speeded considerably and substantial quantities of a number of oils were sent out, at controlled prices, which it is fully recognised has proved a great benefit to users.

Nevertheless, the Section was disturbed at the absence of supplies of a number of oils required by some industries which was felt could be obtained if the Ministry of Food was prepared to modify its policy. The position became more serious towards the close of the year, when the need of raw materials for exporting industries became of increasing importance and representations were made by the Section to the Minister of Food. In 1944, it was reported that consideration was being given to the provision of oils for re-export. A scheme was drawn up by the Section in consultation with the Ministry and published to the trade in June. Unfortunately its practical value has not been great, as the Ministry was not able to make available for export supplies of more than a few oils which were not representative of the re-export trade; it is hoped that there will be a better supply position in 1945. Towards the close of the year, the Section was taken into consultation by the Ministry for the importation and distribution of food absolutes and concretes, which it is hoped may be obtained from France. *Chairman*, Mr. F. G. Pentecost; *Deputy-chairman*, Mr. K. C. Allen.

Perfumery and Toilet Preparations

The Section was fully occupied in 1944 with the rehabilitation of the industry after war. The Post-war Committee's report was adopted at a general trade meeting in April and met with a cordial reception. Discussions with the Board of Trade on its recommendations followed and, in November, a start was made with the re-establishment of firms closed under concentration schemes so as to increase, within certain limitations, the industry's capacity for export. Export licensing and export quota control, administered by the Export Group of the industry (which is housed at the Chamber), were withdrawn towards the end of the year. It is hoped that, when some experience of these measures has been gained, the industry may move on to the next stage of the post-war programme, namely, a progressive increase in the rate of licensing home trade supplies, which throughout 1944 remained at 75 per cent. for "concentrated" firms and 33½ per cent. for others.

Supplies of paper and board, vitally necessary for export trade, were under constant review by the Section, but continued to be difficult. Other packing materials, such as plastics, glass and metal containers, also presented problems which the Section discussed. The position of manufacturing raw materials showed some easement. The Chamber was responsible for, or was largely concerned in, the allocation to the industry of essential oils and starch under Ministry of Food schemes, of petroleum products by arrangement with the Ministry of Fuel and the Petroleum Board, and talc for export by arrangement with the Ministry of Supply. Lanolin was withdrawn from the trade and efforts were made by the Section to get some release for export. Inquiries as to alcohol usage and requirements were made, following discussions with the Alcohol Control, in the hope that a release for export of that material also might be obtained in 1945.

Other matters included the stipulation that not more than half of home quota supplies could be put out in the first three months of a quota period, which the Board of Trade withdrew at the Section's instigation; supplies for troopships, for which an arrangement was made enabling manufacturers to be specially licensed to supply additional to ordinary quota; supplies for N.A.A.F.I.; a special licensing system enabling firms acting as both home and export distributors to obtain quota-free supplies for export; and trade mark ques-

tions. The Section was also able, with the co-operation of the Ministry of Supply, to ease the position, under the Packaging Orders, of members holding stocks of containers not conforming to the standard schedules; and recommendations were made to the British Standards Institution for the first stage of the revision and relaxation of the schedules. *Chairman*, Mr. E. J. Matchan; *Deputy-chairman*, Mr. W. Cowlshaw.

Dentifrice Manufacturers' Section

The Section's main concern was to maintain stability in the distribution of dentifrices of all kinds, adequate supplies of which were regarded by the Government as a national necessity. Arrangements are in operation, by voluntary agreements among members, to regulate supplies and advertising with this object. The Section continued, by arrangement with the Ministry of Supply, to undertake the quarterly appointment among members of a bulk allotment of tin and lead for the manufacture of tooth-paste tubes. It again acted as a supervisory body, under the Ministry of Food, in the distribution of essential oils among members, and also co-operated with the Board of Trade in the allotment of export quotas for unfilled tubes, with the U.K. Glycerin Producers' Association in the distribution of glycerin for dentifrice, and with the Petroleum Board in the distribution of technical white oil and petroleum jelly.

With a view to the utmost economy in metal, the Section has, since 1942, conducted a campaign for the recovery from the public of used metal collapsible tubes of all kinds. In 1944 the amount recovered brought the total proceeds, which are handed to the Red Cross, to over £10,000, representing the salvage of many tons of valuable tin and lead. In the autumn the Section received a letter from Dr. R. S. Edwards, writing as one of the business members of the Board of Trade, Industrial and Export Council, inviting the Section's views on the export position; in its reply the Committee emphasised the main problems of the industry, notably the shortage of essential oils and other materials, and packing requirements, especially paper and board, and the need for replacing worn-out plant. Recommendations were submitted by the Section to the British Standards Institution for the revision and relaxation of the packaging schedules under the Containers Order. *Chairman*, Mr. H. G. Lazell; *Deputy-chairman*, Mr. J. Williams.

GLASGOW BRANCH ANNUAL MEETING

THE annual meeting of the Glasgow and South-western Scottish Branch of the Pharmaceutical Society was held in Glasgow on April 11, Mr. Andrew Officer (chairman of the Branch) welcoming a large attendance, which included Mr. G. T. Lamb, Montrose. THE CHAIRMAN paid tribute to the committee for its work.

Dealing with the annual report and balance sheet, he said membership was now 1,243, a decrease of twenty-seven. A refresher course, conducted in the Royal Technical College by Professor Todd, had been attended by 150 of their members, a most satisfactory result, and the work of Professor Todd in this connexion was greatly appreciated. The Anthony McMillan Memorial prize had been won by Mr. R. S. U. McEwan, Rothesay, the runner-up being Mr. A. Todd, Glasgow. The committee was considering the establishment of a prize fund to encourage students, so that pharmacy might not lag behind some of the other professions. THE SECRETARY (Mr. Robert McAdam) said that 134 gifts had been sent to Services members, eighty of these going overseas, fifty-one to men at home, and three to prisoners of war. He had received acknowledgments from fifty-six, and read extracts from some of the letters. THE CHAIRMAN said the Branch had incurred a deficit on the year's working, and it was obvious that 1s. 6d. per head from the fees sent to London was insufficient to maintain the Branch;

they would need 2s. per head. The auditor (Messrs. W. Wood Wilson and W. Peeble) reported on the satisfactory state of the books, and were thanked for their service. The report and balance sheet were unanimously approved.

Election of Office-bearers

Mr. Andrew Officer was unanimously re-elected *Chairman* for a second term with Mr. R. M. McCrone as *Vice-chairman*. MR. OFFICER, in thanking members for his re-election, announced that the secretary who had held office for seven years, had decided to resign, his health recently not having been good. The chairman paid tribute to Mr. McAdam's fine work, and proposed that Mr. A. B. Gilmour should be appointed in his place. Mr. Gilmour was an ex-chairman of the Branch, had a wide knowledge of pharmacy and of administrative matters, and had agreed to act as honorary secretary and treasurer. Mr. McCrone seconded, and Mr. Gilmour was unanimously elected. The following were appointed to the *Committee*: Misses Pat and Suttie; Messrs. E. J. B. Allison, F. Allison, G. S. Archibald, C. A. Buick, C. Campbell, W. S. Culbert, G. Dick, S. Home, S. Hughan, R. McAdam, G. F. Milne, T. S. Napier, and T. Smith. The following were also appointed as delegates to the British Pharmaceutical Conference: Messrs. Officer, McCrone, Gilmour, Currie and McAdam.

PHARMACEUTICAL SOCIETY OF NORTHERN IRELAND

THE president (Mr. Charles Abernethy) was in the chair at the monthly meeting of the Council of the Pharmaceutical Society of Northern Ireland, held in Belfast on April 20. The following were also present: Messrs. James McDowell (vice-president), J. W. Gray, J.P. (treasurer), H. H. Cowzer, James Donaghy, S. H. Forrest, James Irwin, Professor E. C. B. Mayrs, M.D., Messrs. F. R. Moore, H. F. Moore, J. McGregor, J. T. Nicholl and W. C. Tate. Mr. D. L. Kirkpatrick (secretary) was in attendance.

THE PRESIDENT welcomed Mr. F. R. Moore, J.P., 40 Victoria Street, Belfast, who had been nominated by the Ministry of Home Affairs to represent the wholesale drug trade on the Council until October 4, 1946, in place of the late Sir Thomas McMullan. MR. MOORE suitably replied. On the motion of Mr. DONAGHY, seconded

by MR. GRAY, Mr. Moore was elected member of the Finance Committee.

THE SECRETARY read a letter from Mr. E. H. Barr (secretary, Associates' Section) asking for the use of the Society's rooms for lectures and social meetings next winter. The Council decided that permission to use the rooms should be given on the understanding that the lectures given should be of an educational nature in relation to pharmacy. This resolution was proposed by MR. DONAGHY and seconded by MR. S. H. FORREST, Bangor.

THE PRESIDENT proposed that a vote of sympathy should be passed to the Prime Minister and Lady Brooke in the loss by death in action of their youngest son (Lieutenant H. A. Brooke). MR. J. W. GRAY, J.P., seconded, and the motion was carried unanimously. The secretary was instructed to forward the message of sympathy.

A letter of thanks was read from the American Consul-General (Mr. Q. F. Robinson), replying to a letter from the Council and members expressing sympathy with Mrs. Roosevelt and the American nation in the sudden and unexpected death of President Roosevelt.

The following were elected members of the Society: Miss Margaret Reynolds, Richmond Chambers, 1 Richmond Street, Londonderry; Messrs. Nial Brannigan, St. James's Road, Belfast; and Samuel Ambler, Fivemiletown, co. Tyrone.

At a meeting of the Education Committee it was agreed that certificates of

Apprentice to a Pharmaceutical Chemist should be granted to the following students, who submitted certificates from the bodies mentioned:—

Senior Certificate Examination, Ministry of Education, N. I.—Bridget Mary McCallen, Omagh; Bernard Joseph Connolly, Newry; Edward Kieran Fox, Omagh; William Joseph Corrigan, Whiteabbey; Anna Rosaleen Corry, Coalisland.

Leaving Certificate of the Government of Eire.—David Michael Wylie, Belfast; and John O'Connor, Dungannon.

London Matriculation Examination.—John Gould, Bangor.

PLASTICS FEDERATION ANNUAL MEETING

The annual meeting of the British Plastics Federation was held in London on April 18. Guests at the luncheon included the Minister of Labour and National Service (Mr. Ernest Bevin), Mr. L. P. B. Merriam (Plastics Controller); the Deputy Controller (Mr. P. A. Delafield); Sir Charles Bruce Gardner; Dr. P. C. C. Isherwood (Chairman, Association of British Chemical Manufacturers); Mr. S. Billborough (Chairman, Association of Tar Distillers); the President and chairman of the Institute of the Plastics Industry (Messrs. F. Lutyens and J. Prior); and Mr. W. T. Boston (Grand Master of the Worshipful Company of Corners). Mr. H. W. GRAESSER-THOMAS (Yorkshire Tar Distillers, Ltd.), as chairman of the Federation, presided and gave an address from which the following passages are taken.

This is the tenth anniversary of the British Plastics Federation. Our immediate past-chairman (Major Stanley Mohr) first envisaged, then instigated, and finally inspired the work of the council subcommittee which produced the memorandum and revised articles of association of the reconstituted Federation. The reconstituted Federation is fundamentally democratic. Each group elects its own management committee and appoints its own chairman, and these, with certain other democratically elected members, constitute the council, which is the governing body.

The plastics industry is eagerly awaiting Government lead on export policy. We hope that when we appeal for the retention of labour, and the re-engagement of people particularly well equipped to help our export efforts, such as draughtsmen and designers, our appeals will not fall on deaf ears. We hope also that priority of machinery will be granted the industry because,

without proper tools, even the best British workman is helpless.

Membership of the Federation increased during the year from 220 to 250. Through the medium of the groups we are now working out schemes for the collection of statistics of the industry, so that, in addition to providing information for the benefit of members, we shall be able to give much-needed information to Government departments, as and when it may be required, for the good of the nation and of the industry. No less than fifty committees are in active session. With regard to welfare in the industry (guarding of presses, design of model-moulding shops) we have had the advice of the Factories Department of the Ministry of Labour and of the Trade Unions. We are co-operating with the British Standards Institution in the preparation of new standards for the products of the industry, and the Federation has assisted the Institution by appointing a representative to each of a number of technical committees where matters affecting our products are concerned. This leads me to refer to the "hall-mark" scheme which, after careful consideration extending over several years, has now been brought into being. The hall-marks of the Goldsmiths' and Silversmiths' Companies are too well-known and honoured throughout the world to need comment, and though we are comparatively a young industry we have thought it right to seek means whereby we can give a similar guarantee to the consumer, though to accomplish this is a complicated task. With the assistance of the British Standards Institution, which acts as the independent adjudicator, licences have been granted to a number of powder manufacturers, who may apply a mark registered with the Board of Trade.

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The fact that goods made of raw materials in short supply owing to war conditions are advertised in this paper or described in its editorial columns should not be taken as an indication that they are necessarily available for export.

The Joint Committee's Memorandum

We give in full in this issue the text of a Memorandum which has been submitted by the Joint Committee on a National Pharmaceutical Service to the Ministry of Health and Department of Health for Scotland. This is a well-reasoned and ably-presented document which sets out simply and precisely the Committee's views on the principles that should govern the setting-up of a pharmaceutical service under a national health plan.

Realising that, without some knowledge of the dissimilar developments of pharmacy in this country and on the Continent of Europe, it is impossible to appreciate the claim of pharmacists to fulfil a major function in the health services, the Committee has first given, in an introduction to the Memorandum, a brief sketch of the background of pharmacy in Britain. This is put forward both to explain the insufficient recognition that has been granted to pharmacists in the past, and to demonstrate the need for a new approach to the subject. After touching on the responsibility for control of patent medicines that will devolve upon the sponsors of a compre-

hensive health service, the Memorandum describes organisations catering for the professional and business interests of those with pharmaceutical qualifications (Pharmaceutical Society, National Pharmaceutical Union and Pharmaceutical Standing Committee for Scotland).

Effects of Extended Service

The place of pharmacy in future health service is discussed under the heads of domiciliary, hospital and clinic treatments, with a passing reference to pharmacy in the Armed Forces and in Civil Service and other public departments. Stress is laid on the effect of extending the State supply of medical and surgical requirements upon private dispensing and upon the sale of medicinal and surgical goods generally, and four cardinal principles are laid down, namely:—

- (1) That the patient should have free choice of pharmacist.
- (2) That no pharmaceutical facilities should be provided in institutions except for in-patients.
- (3) That pharmacists should be represented on planning and controlling bodies.
- (4) That remuneration should be adequate to make the service self-supporting.

The Committee makes the reservation that the Memorandum has still to be considered by branches of the Pharmaceutical Society and National Pharmaceutical Union, by the Pharmaceutical Standing Committee (Scotland), and by Pharmaceutical Committees throughout the country. Consideration has already been given to it by a conference at which there were present not only members of the Joint Committee, but also representatives of the public pharmacists, company chemists, Drug Trade Council, organised employee pharmacists, and Scottish Pharmaceutical Federation.

Company Chemists' Protest

A covering statement that was issued by the Committee implies, although it does not specifically state, that the assent of all sections has been secured, except from the company chemists, who put forward a resolution of protest, first against their exclusion from representation on the Joint Committee; secondly against the suggestion that the interests of the providers

of a national pharmaceutical service rest only in the Pharmaceutical Society, National Pharmaceutical Union and Pharmaceutical Standing Committee (Scotland); and thirdly against what they describe as "an ill-founded and irrelevant attack on the statutory rights of corporate bodies in the Memorandum and Appendix." In these columns we have consistently advocated that all sections of the craft should be represented on the Joint Committee, but in view of the strong language used by the company chemists in their resolution, it is important to examine whether there is, either in the Memorandum or its Appendix, any justification for going to the length, as they threaten to do, of putting forward a separate Memorandum to the Government. The Appendix, which is mainly an analysis of criticisms that have been, or can be, levelled at the existing system of National Health Insurance, contains the following paragraph:—

The service has not been a personal one. There is no distinction between pharmacists and contractors in the arrangements for participation in the scheme, yet the service is essentially personal and such as should be given by pharmacists with full authority. It is unsatisfactory that pharmacists in the employment of a contractor should not be in direct contact with the authorities and be responsible to them for the work. This means that the service should be the responsibility of the pharmacist in personal control at each pharmacy irrespective of the nature of the ownership of the business.

Our readers must judge whether this is capable of being construed as "an ill-founded and irrelevant attack on the statutory rights of corporate bodies."

Branches should lose no time in expressing support for the Memorandum or making known their disagreement on any detail, so that the Committee may approach the next step confidently and resolutely.

Reconciliation

THE forty-ninth annual report of the Proprietary Articles Trade Association, extracts from which are given on p. 422, reveals that a long-standing breach, or at least a potential breach, between the Association and the National Pharmaceutical Union, is in process of being closed by mutual agreement. Signs of estrangement

began to appear when chemists, who gave birth to the P.A.T.A., found that virtues and benefits were tending to encourage the expansion of the proprietary medicines trade in non-pharmaceutical channels. Representations were made to the P.A.T.A. on the subject, and the N.P.U. was asked to formulate specific proposals. Meantime a few pharmacists in various parts went to the length of withholding their P.A.T.A. membership subscription, which, by arrangement, was normally collected by the N.P.U. concurrently with its own membership dues. The P.A.T.A., as is well known, consists of three sections: retail, wholesale, and manufacturing. It is not to be supposed that the retail section, overwhelmingly pharmaceutical, would otherwise than concur in and promote the N.P.U. proposals; but the manufacturers' section was a tougher nut to crack and the negotiations became protracted with little intimation to the outside world of the progress they were making. Fortunately, behind the scenes, matters were going forward.

New Rules Approved

The agreement now reached is embodied in a number of new resolutions which were presented before, and unanimously approved by, the annual meeting of the Association. The full text of the new rules is given on another page, but the effect is that membership of the retail section is in future to be limited to persons or bodies corporate listed in the Pharmaceutical Society's Register of Premises. The proposed list will segregate proprietary articles of a medicinal or surgical nature from other price-protected goods, and every effort will be made to persuade the manufacturers to market goods in the former class through chemists and to omit reference in their advertisements to other types of trader or not to refer to stockists at all. A subcommittee is being appointed to go into the question of wholesale distribution of proprietary articles. Doubtless the solution reached is a compromise, but now that all parties have accepted it we may hope that reconciliation between the two bodies is complete, and that defaulting subscribers will pay up again.

Service to Industry

AMONG the diverse activities of the London Chamber of Commerce are some of more than ordinary interest to the drug trade (see p. 424). The importation of many crude drugs, for example, is the responsibility of the Botanical Drug Importers' Section, which acts as the agent of the Ministry of Supply, with the result that an impressive list of crude drugs has been made available to consumers. The scheme for the distribution of ipecacuanha appears to have gone not quite according to plan, but it is evident that every effort was made by the Section to ensure supplies.

Complex Scheme

The complexity of the scheme for the transportation and distribution of essential oils is commented upon in the report of the Essential Oil Importers' Section, which throughout felt some misgivings that it might not work really smoothly." Some delay in distribution in the early part of the year was made up later when the position greatly improved. It is to the credit of all concerned in this intricate scheme that it has been made to work effectively, and there is no doubt that users of essential oils have benefited by its introduction. Prices charged for oils distributed under the scheme have been reasonable, in contrast to some of those mentioned for small parcels of the few oils remaining outside the control. The report on the position of oils for re-export discloses that the scheme drawn up by the Section in consultation with the Ministry of Food has not been a complete success, as the Ministry was unable to make available for export supplies of more than a few oils which "were not representative of the re-export trade."

Looking Ahead

The Perfumery and Toilet Preparations Manufacturers' Section has played an important part in the administration of war-time control of manufacture. The Section is concerned with activities directed towards the rehabilitation of the industry, and indeed a start has already been made in this direction with the re-establishment of firms closed under concentration schemes, the object being to increase the industry's

capacity for re-export. It is generally realised, of course, that perfumery and toilet preparations form an ideal class of product for the export trade. The reputation of British manufacturers has never been higher, supplies are not difficult to ship, and the industry offers opportunities for post-war employment of a congenial nature. It is in the national interest, therefore, that this industry should be completely equipped and ready for the export drive, and it will not be the fault of the Section if this objective is not achieved.

While the London Chamber of Commerce is to be commended for the service it is rendering to industry in time of war, it is to be hoped that in the not-too-distant future the work of the various sections exercising control will become largely unnecessary. The wide experience gained by the Chamber during the war will be invaluable in the transition period from war to peace, when the gradual process of decontrol will require the greatest vigilance.

P.A.C. Dispensing at N.P.U. Rates

BATH chemists have won a partial victory in a stand for adequate remuneration. Two years ago they were approached by the Public Assistance Committee to take on dispensing previously done by doctors under a scheme of medical aid for persons under that committee. Negotiations went forward to a certain point but broke down on the question of what rates should be paid. The local pharmacists asked for drugs at National Pharmaceutical Union list rates and dispensing at N.P.U. scales, while the committee considered National Health Insurance fees adequate. In the meantime a local doctor was found who was prepared to take on the dispensing, but today, for a reason not known, his services are not available, and nobody can be found to take his place. The Committee has therefore agreed to place the dispensing with pharmacists at the rates of payment asked, patients being allowed freedom of choice of chemist. Only part of the city is, however, affected—that in which no doctor can be found to take on the P.A.C. dispensing. In the remainder, the previous arrangements stand.

MEMORANDUM TO MINISTRY OF HEALTH

A Provisional Statement has been submitted to the Minister of Health and the Secretary of State for Scotland by the Joint Committee of the Pharmaceutical Society of Great Britain, the National Pharmaceutical Union and the Pharmaceutical Standing Committee (Scotland).

THE following memorandum by the Joint Committee has been sent to the Ministry of Health and Department of Health for Scotland, subject to the understanding that it has not yet been considered by branches of the Pharmaceutical Society or National Pharmaceutical Union, or by the Pharmaceutical Standing Committee (Scotland) or Pharmaceutical Committees. The Joint Committee has asked for authority to submit to those bodies the modifications which the Government contemplate making in the proposals contained in the White Paper on a National Health Service. It will then be able to obtain the opinion of those bodies upon the application of the new proposals to the pharmaceutical service and to invite their approval to a series of specific proposals for that service. The Memorandum has been submitted to other organisations for their information and views, and was discussed at a conference on April 11, at which were represented the Guild of Public Pharmacists; Company Chemists' Association; Drug Trade Council; Association of Pharmaceutical Employees; National Union of Distributive and Allied Workers; Association of Scientific Workers; National Pharmaceutical Employees' Union; and Scottish Pharmaceutical Federation.

Company Chemists' Dissent

The Company Chemists' Association presented the following resolution to that conference:—

The Association, having been invited by the Joint Committee on a National Pharmaceutical Service to consider a draft statement prepared by the Committee for submission to the Ministry of Health, desires to place the following facts upon record:—

(a) The Council of the Pharmaceutical Society has persistently opposed any fair and proper representation of corporate bodies upon such Joint Committee.

(b) The draft statement of the Joint Committee seeks inaccurately to represent to the Ministry of Health that the interests of those providing a national pharmaceutical service rest only in the hands of three bodies—

The Pharmaceutical Society,
The National Pharmaceutical Union,
The Pharmaceutical Standing Committee (Scotland).

(c) The attack upon the statutory rights of corporate bodies contained in the draft memorandum and appendix thereto is both

ill-founded and irrelevant to the matter under consideration.

Under the above circumstances the Association will submit its own representation to the Ministry of Health with explanation as to the reason for this being found to be necessary. The Association at the same time deprecates the policy which has brought this about, and which may be regarded by the Ministry as a weakness in the ranks of pharmacy. Finally, it desires to point out that, in the opinion of the Association, the fundamental aim is to secure the dispensing of prescriptions in the chemist shop under efficient, suitable, and competitive conditions, meeting the minimum needs of the public at rates providing fair and proper remuneration to pharmacists. This would ensure all pharmaceutical supplies and service coming under the immediate control of a pharmacist.

Text of Memorandum

THE White Paper on a National Health Service has been examined and in general the principles on which it is based and the manner of their application are welcomed as proposals which will make a great contribution to the improvement and further development of the means whereby medical and surgical treatment can be obtained in Great Britain. Apart from one or two references this is all that will be said in this statement about the White Paper proposals from the general standpoint, but the position of pharmacy in relation to these proposals calls for discussion at some length, mainly for the reason of securing a better appreciation of it in the new service than has so far existed under official schemes or is evident in the White Paper. Otherwise the services which the pharmacist alone can give and which the public need if they are to obtain full benefit from medical treatment, will not be fully utilised.

The evolution of pharmaceutical practice in this country has followed a different course from that in Continental countries. The pharmacist or apothecary abroad has retained the position he has occupied through the centuries and pharmacy is recognised as a profession in its own right. In this country the apothecary during the eighteenth century took on the functions

medical practitioner, became absorbed in the medical profession in the nineteenth century and, retaining the dispensing part of his pharmaceutical practice on giving in his shop, set the standard for general medical practice. Hence most general practitioners of medicine in England and Wales, though not in Scotland, act as apothecaries in supplying medicines to their patients, though the training of medical practitioners in pharmacy has in the last hundred years progressively declined. For this and other reasons, such as the existence of facilities for obtaining factory-made medicines, dispensing has come to be regarded as a minor part of a doctor's work and as an activity which can, when convenient, be safely left to a person with no or no training and not necessarily qualified, but who is nominally under his supervision, as is evidenced in the dispensaries of medical practitioners.

The pharmacist as he exists today developed to meet the situation caused by the incursion of the eighteenth-century apothecary into the medical field and filled a gap resulting from the latter's growing occupation with medicine. The emergence of the pharmacist as the successor to the apothecary was marked by the foundation of the Pharmaceutical Society of Great Britain in 1841. Since then, by a series of legislative measures concerned primarily with the control of poisons, the professional machinery of pharmacy has been established (i.e. self-government, education, examination, registration and discipline), and so far the recognition of pharmacy as a distinct calling with professional status has been able to find adequate expression in the public services. The position of pharmacy in these services for the most part still seems to be determined by considerations derived from the above-described development of the apothecary. Pharmacy is regarded as something of secondary importance and as a sphere in which the medical practitioner can carry out himself, or be responsible for, all that is required. Hence over a wide field of public and semi-public pharmaceutical activity the services of pharmacists are not regarded as essential and even when pharmacists are required in the public services their treatment appears in most cases to a greater or lesser degree to be conditioned by this conception of pharmacy. This conception, together with the theory of unrestricted trade in non-poisonous drugs and medical preparations, has influenced the official attitude towards the practice of pharmacy generally.

The result is that in Great Britain pharmacists have not enjoyed the degree of recognition accorded to pharmacists in other countries, the public have not obtained the protection and services which such recognition would have given them, and the practice of pharmacy in shops has been subjected to commercial pressure which has handicapped its development and seriously affected the conditions under which it is carried on.

The proposed National Health Service provides an opportunity of putting pharmacy in its rightful position in the health service of the country. There is need for a fundamentally new approach to the pharmaceutical service concerned not only with every aspect of the provision of medicines and allied requirements and the full utilisation of the knowledge and skill of pharmacists under the service, but also with aspects external to the service, such as self-medication and proprietary-medicine advertising. With the responsibility accepted by the Government for providing medical attention for the whole of the population goes the responsibility for ensuring not only that the medicines required are supplied under satisfactory conditions, but that practices relating to the sale of drugs and medicines which are likely to prejudice the success of the health services are curtailed.

Pharmacy and its Professional Organisations

Pharmacy is concerned with the sources, properties, production, standardisation, uses and supply of natural and synthetic substances and preparations used for the prevention and treatment of disease. It involves a knowledge of the pure sciences, chemistry, physics, biology and physiology, and of the applied sciences, pharmacognosy, pharmaceutical chemistry and pharmaceuticals. It further involves a knowledge of the legal requirements affecting transactions in medicine.

Pharmacists are persons whose names appear in the statutory Register of Chemists and Druggists or in the statutory Register of Pharmaceutical Chemists, or in both. In order to become a chemist and druggist it is necessary to pass an examination in general knowledge of university matriculation standard and then to undergo a course of training of at least four years—two years at a school of pharmacy and two years (in practice often three and sometimes four) in a private pharmacy, a hospital pharmacy, or a manufacturing pharmaceutical laboratory. An intermediate examination in

chemistry, physics and biology, and a final examination in pharmacognosy, pharmaceutical chemistry, pharmacutics, physiology and forensic pharmacy must be passed, each being of both a theoretical and a practical nature. The age of twenty-one years must also have been attained. The same requirements must be fulfilled in order to become a pharmaceutical chemist, with the difference that the course at a school of pharmacy is extended to three years and a more advanced final examination is necessary. The degree of Bachelor of Pharmacy or Bachelor of Science in pharmacy is granted at five universities, Glasgow, Leeds, London, Manchester and Wales, and a holder of one of these degrees is exempt from the academic training and the examination requirements, except in pharmacy law, for registration as a pharmaceutical chemist.

In addition to requiring of its practitioners compliance with the foregoing education conditions, the nature of pharmaceutical work is such as to require in the public interest the maintenance of the professional integrity of those who practise it. Hence pharmacists are subjected to disciplinary control and the name of a pharmacist may be removed from the Register by the Statutory Committee of the Pharmaceutical Society for misconduct.

Degree of Self-government

Subject to the approval of by-laws and regulations by the Privy Council, the standard of education, examination and professional conduct of pharmacists is the responsibility of pharmacists themselves through the Pharmaceutical Society of Great Britain, the organisation of which every pharmacist is a member by virtue of being registered. This Society has the statutory duty of controlling the pharmaceutical curriculum, the conditions under which training is received, and the conduct of the examinations to be passed. It is also the registering and disciplinary authority. In addition, the Society is charged with the duty of securing the observance of the law relating to pharmacy, and is required to have for this purpose inspectors who must be pharmacists and who have powers of investigation. Pharmacists have by law the exclusive right to the use of certain titles, such as "pharmacist," "chemist and druggist"; to the dispensing and supply of medicinal substances consisting of, or containing, poisons under conditions of sale to the public; and to the dispensing of medicines under the National Health

Insurance scheme except under certain special conditions.

There are 25,000 pharmacists, 1,700 of whom are pharmaceutical chemists. Each pharmacy where private practice is carried on—there were more than 15,000 in the last pre-war year—must be registered and is in charge of a pharmacist. Many pharmacies normally employ more than one pharmacist. The services of pharmacists are also widely utilised by public and semi-public authorities to advise upon, organise and carry out the preparation and supply of medicines in hospitals and in connexion with the various public health services. The majority of hospitals, municipal and voluntary, employ pharmacists. All pharmaceutical manufacturing houses of standing employ pharmacists.

Among the specific duties of pharmacists are the following:—

(a) To exercise control over the nature and quality of drugs, dressings, antiseptic reagents and similar supplies used in the prevention and treatment of disease.

(b) To supply these requirements and to advise the public regarding their properties and use.

(c) To devise and make preparations to be used in dispensing to meet general and special needs; to prepare other products for medical and surgical use.

(d) To dispense prescriptions.

(e) To investigate problems arising in the use of medical supplies.

(f) To assist medical practitioners in the development of new methods of treatment.

(g) To promote economy in the use of medical supplies by advising upon alternative substances and preparations and the relative cost, by reducing to a minimum dependence upon external sources of supply and by ensuring that supplies are in optimum quantities and stored under satisfactory conditions.

(h) To assist in efficient prescribing by advising upon the nature and properties of substances used in medicine and upon the selection of the most suitable substances in the form in which they should be prescribed.

(i) To give such instruction about medicinal supplies as may be necessary for persons whose duties involve the handling of them.

To assist them in dealing with the problems of their calling and to keep abreast of advances in pharmaceutical knowledge, pharmacists have at their disposal the resources of the Pharmaceutical Society which promotes research and post-graduate courses and lectures; grants scholarship and prizes; holds an annual conference for the reading and discussion of research papers; possesses a library of 20,000 volumes, the most extensive of its kind in

the country, and a museum containing a unique and comprehensive collection of materia medica; publishes two periodicals, the "Pharmaceutical Journal" (weekly) and the "Quarterly Journal of Pharmacy and Pharmacology," and various works of reference, including the "British Pharmaceutical Codex" and the "Extra Pharmacopoeia." The Society maintains the College of the Pharmaceutical Society which is a school of the University of London. The College conducts courses for the Society's qualifying examinations and for the degree of Bachelor of Pharmacy and higher degrees of the University of London. Research work is undertaken in pharmacetics, pharmacognosy, pharmaceutical chemistry, physiology, pharmacology, biochemistry and nutrition. In association with research in pharmacology and nutrition the College also carries out for manufacturers the testing of drugs and vitamin-containing food products by biological methods. The Society is the recognised pharmaceutical authority. Its knowledge and experience is available and freely given to all who desire it in the public interest. Its representatives serve on numerous committees and it is consulted by Government departments, dominion, colonial and foreign governments, public authorities, scientific and learned societies, research establishments, etc.

The National Pharmaceutical Union was promoted by the Pharmaceutical Society in 1920 to relieve the Society of certain functions relating to the business side of pharmacy, thus enabling the Society the better to devote itself to the advancement of pharmacy and the professional interests of pharmacists and to its administrative duties under the Pharmacy Acts. Its membership is voluntary and limited to pharmacists in England and Wales. More than 93 per cent. of those eligible to join are members. The Union is regarded as the representative body in connexion with business matters in pharmacy, and as such is consulted by Government departments and other organisations. It is also the representative body for National Health Insurance purposes of pharmacists in England and Wales, having taken over this duty on its foundation at the request of the Pharmaceutical Society from the Standing Committee on N.H.I. for England and Wales which was disbanded.

The Pharmaceutical Standing Committee (Scotland) is the representative body in Scotland for N.H.I. purposes. The Scottish Pharmaceutical Federation was founded about the same time to carry out functions

corresponding to those of the National Pharmaceutical Union so far as the business side of pharmacy in Scotland was concerned, but the responsibility for National Health Insurance affairs remained with the Standing Committee.

The scientific knowledge and training of pharmacists can be applied in other directions than the purely pharmaceutical and, where conditions admit, this fact can be utilised with advantage. Opportunities for such application will undoubtedly occur under the new health service. Developments in the subjects on which the practice of pharmacy is based are continually widening its sphere of interest and calling for more extensive knowledge. Educational and examination standards have progressively increased, and further substantial advances are awaiting the period of reconstruction.

The creation of a national health service, implying Government responsibility for the nation's health, imposes the duty on the Government to ensure that educational and research activities necessary for that service are not handicapped by lack of funds.

It will be seen from the foregoing that pharmacy is a distinct calling of a professional character with its own sphere of operation, its own corpus of knowledge and its own standards of practice, requiring for its efficient exercise not only the possession of general and specialised scientific and technical knowledge but also judgment, imagination, and the spirit of inquiry and service to the community. It is a calling which can be exercised only by persons who are pharmacists, and as a corollary of this its practice can be controlled only by persons who are pharmacists. Their services are required in a practical, supervisory, administrative, or consultative capacity wherever pharmaceutical activities are carried on or pharmaceutical questions arise.

Scope of Pharmacy in a National Service

Reference to pharmacy in the White Paper is limited to the supply of medicines for domiciliary treatment, and for that purpose assumes that the arrangements operating under the present N.H.I. system are adequate though improvements may be made in detail and the arrangements for the supply of medicines for persons attending health centres will need consideration.

Pharmaceutical requirements under a national health service will cover not only domiciliary treatment but hospital and local authority clinic services. A further

group of services should be mentioned, namely the medical services of the Armed Forces and Government and other public departments and establishments, which, though outside the national health service as contemplated in the White Paper, should be assimilated to it pharmaceutically. Apart from those of the N.H.I. service, the way in which these pharmaceutical requirements are met at the present time is left to the discretion of the controlling authorities, there being no legal requirements, for example, regarding personnel. There is no common practice, and although many and an increasing number of hospitals employ pharmacists the position as a whole is unsatisfactory, and there is a far from adequate appreciation of the importance of pharmaceutical work. This applies to a greater or lesser degree in regard to the other two groups of services, and in the institution of a national health service this state of affairs should be remedied. The pharmaceutical arrangements under a national health service should therefore make definite provision for the needs of the following branches of the service:—

Domiciliary	Hospital
Health Centre	Clinic

Pharmaceutical Administration

Since the field covered by the national health service will include the various branches mentioned above it will be seen that the pharmaceutical arrangements represent a far-reaching and important aspect of the service presenting many problems and requiring special provision throughout the administrative structure, in addition to representation on the Central and Local Health Services Councils as visualised by the White Paper. This should be based on the following principles:—

(i) Wherever pharmaceutical questions are involved, both in planning and in administration, the scheme should provide for effective pharmaceutical advice and direction being available.

(ii) The experience of pharmaceutical administration gained during the thirty years' working of the National Insurance Acts should be utilised in the new service.

With this in view the following comments are made upon the organisational structure as set out in the White Paper: Pharmaceutical problems will arise at various levels, at each of which there will need to be facilities for pharmaceutical participation in planning and administration. Centrally there should be a body which will advise the Minister on the development of the phar-

maceutical service and on the conditions of the contract under which it will be provided. This body will need to have an effective voice in the administration, will depend upon the constitution and functions ultimately allotted to the Central Health Services Council whether there can be a permanent Pharmaceutical Committee linked with that body, or whether it will be necessary to create a body analogous to the Central Medical Board. At the level of the Area Authorities pharmaceutical advice should be available either by means of an area committee or through pharmaceutical representation on the Area Authority itself. There is considerable variation in the standards of pharmaceutical departments in different hospitals in the same area and much necessary co-ordinating work waiting to be done. At the level of the County or County-borough Council there must be a body comparable in constitution and functions with the Pharmaceutical Committee under the National Health Insurance Act, which will supervise the local pharmaceutical service and act as the local representative of the Minister or of the Central Pharmacy Board or other central pharmaceutical body. This local committee either itself or through a subcommittee should perform similar disciplinary functions to those at present undertaken by the service subcommittee.

Organisation of Pharmacy

While the arrangements in the various directions could be organised more or less independently of one another such a treatment of the subject would fail to make use of the possibilities of co-operation between the different branches of pharmacy which will undoubtedly exist and which if utilised will add to the efficiency, economy and amenity of the whole pharmaceutical service. It is therefore urged that the principle of considering the pharmaceutical service as a whole should be adopted as the basis on which it is organised. This would mean that the authority whose responsibility it will be to plan the health service arrangements of an area would take into account all the pharmaceutical needs, domiciliary health centre, hospital and clinic, and prepare a unified plan to meet these needs which would provide for the maximum amount of interrelation between the various branches.

Domiciliary Service

The White Paper visualises a general practitioner service from private surgeries continuing to operate subject to the experi-

mental development of health centres, and the supply of medical requirements being continued as under the N.H.I. scheme subject to consideration in regard to medicines supplied to patients attending health centres. Apart from the possible effect of the health centre on the situation, the pharmacy is therefore visualised as the source of supply of medical and surgical requirements under the scheme, the only change from the N.H.I. conditions being the practical one that the number of prescriptions which will be dispensed at pharmacies will increase, since doctors who will dispense for their private patients will cease to do so for those of such patients who will take advantage of the new scheme and give them prescriptions instead. This increase will be limited almost entirely to England and Wales, as dispensing doctors are practically non-existent in Scotland. The "chemist's shop," to use the term particularly applied to the pharmacy, is an established institution with an important and essential function in the national health service, and it has an essential part to play in the new health service. The suggestion in the White Paper that the only changes which may be desirable in transferring the N.H.I. conditions to the new health service are changes of detail fails, however, to take account of (a) the consequences of the new conditions in their effect on private dispensing and the sale of medical and surgical requirements, and (b) certain criticisms in the N.H.I. pharmaceutical system (set out in the Appendix) which will need to be remedied under the new health service.

Other Functions of Pharmacy

It may be appropriate here to mention that the pharmacy has other functions to perform than those connected with the supply of medical and surgical requirements under the general practitioner service. It is capable of meeting the needs of those attending clinics or receiving a similar form of medical attention outside the general practitioner service, and in certain circumstances it may be the best means of supplying institutional needs. It is in close personal contact with the public, and forms a valuable means of conducting health education in various ways. The effective utilisation of pharmacy in the national health service therefore covers a wide field.

Without prejudice to the application of the general principles of a national pharmaceutical service enunciated in this

statement it is desired to emphasise the following points in connexion with the pharmaceutical service for patients receiving domiciliary treatment:—

- (1) The patient should receive from the doctor a prescription which he should be free to take to the pharmacist of his choice.
- (2) No institutional facilities for the supply of medicines are required except where there are also in-patients.
- (3) Pharmacists who are engaged in the service should be represented on the bodies planning or controlling the service.
- (4) Remuneration should be adequate to ensure that the service is self-supporting in each pharmacy.
- (5) The efficiency of the service requires that the participation of new pharmaceutical units should be based upon the needs of the locality.

Health Centres

The health centre is apparently visualised as a communal surgery having separate consulting-rooms, but other services in common. No indication is given whether pharmaceutical facilities are to be provided there. Indeed the whole conception of the health centre has been very sketchily worked out. It is understood that a primary reason for their establishment is to provide in them equipment not usually available in the doctor's private surgery. There seems very good reason for retaining the private consulting-room as the first stage through which the patient passes, but in so far as health centres will provide a general-practitioner service, medicines and medical and surgical appliances required for that service should be supplied by means of a prescription to be taken by the patient to any pharmacy participating in the national service. Likewise the requirements of out-patients receiving other forms of service at health centres should be met in the same way.

What pharmaceutical arrangements should be made in the health centre with beds will depend upon the form it takes and will need further consideration when that is known, but it seems clear that a pharmaceutical department may be needed as an integral part of such establishments.

Hospitals

The responsibility which will rest on the Government to promote a national hospital service on the basis of the co-ordination and development of municipal and voluntary hospitals will provide an opportunity of remedying the unsatisfactory state of affairs which exists at present in regard to the pharmaceutical arrangements in hospi-

tals to which reference has already been made. The need for improvement was recognised by the Voluntary Hospitals Commission which reported in 1937, in the following terms, the same comment being applicable to municipal hospitals:—

Of great importance is the pharmaceutical service. Those in responsible charge of the pharmaceutical department of any hospital should hold a statutory qualification and be registered in accordance with the Pharmacy Acts. At present it is legally permissible for persons not so qualified to be practically in charge of hospital pharmaceutical departments. This not infrequently occurs in smaller hospitals by the appointment of one holding the Apothecaries' Hall certificate for Assistants in Dispensing. Where a hospital is so small as not to require full-time service then a qualified pharmacist should be engaged for certain hours.

Although no reference is made in the White Paper to the pharmaceutical arrangements in hospitals it is essential that the standard of qualification for pharmaceutical staffs in hospitals should be not lower than that of the Chemist and Druggist qualification. Indeed there is a tendency for the Pharmaceutical Chemist qualification to become the rule for hospital appointments. In addition to pharmacists employed in hospitals the organisation by local authorities of the pharmaceutical services will require the employment of pharmacists in administrative posts. The hospital pharmaceutical service should be based on the following principles:—

(1) There should be in every hospital a pharmaceutical department adequately accommodated, staffed and equipped.

(2) The chief pharmacist should be directly responsible to the governing authority of the hospital and subject to this should have complete administrative control of the pharmaceutical department.

(3) Where a hospital is too small to justify the employment of a pharmacist full-time, other arrangements should be made to ensure that the pharmaceutical work of the hospital is undertaken by a pharmacist.

Clinics

The various special services which are now and will continue to be conducted by the County and County Borough Councils under the national health service involve medical and surgical supplies for use in clinics and in the homes of those receiving attention. The various services are diverse in character and no general rule can be laid down as to the way in which their medical supply requirements should be met. The principles set forth in the adjoining column should, however, be observed.

(1) So far as those attending clinics will need medicines and medical and surgical appliances for use in their own homes, the requirements should be met by utilising the services of local pharmacies, patients being given prescriptions to take to a pharmacy of their choice.

(2) The arrangements for medicines and medical and surgical appliances for use in clinics, as distinct from those for use at home, should be assimilated to and co-ordinated with those of hospitals.

In this statement the broad outline of the position which pharmacy should occupy in a national health service has been discussed. Apart from indicating that radical change is needed in the basis of payment for services provided through chemists' shops no reference has been made to the question of remuneration as it is felt that it is necessary first to define the basic principles of the service. Also certain environmental matters dealing with the supply of medicines to the public outside the national health service which have bearing on such a service have been left for later discussion.

Appendix

Criticism of Conditions of Pharmaceutical Service under N.H.I. Scheme

The main criticism of the N.H.I. service from a pharmaceutical point of view concerns its status and scope. Whatever the intention may be, the effect of the present N.H.I. arrangements is to treat the pharmacist simply as a supplier of goods whose status is not different in principle from that of any other supplier of goods to a public authority. The conception of the pharmacist as a man who is primarily giving professional service and only incidentally as part of that service, supplying goods, is not recognised in the arrangements. At present the provision for the payment of a dispensing fee is simply a payment for labour put into the preparation of medicines in the same way as payment would have to be made for labour employed in any capacity, irrespective of its character. The rate of payment is such that it cannot be regarded as payment for professional services but rather for work in the category of trade or alternatively as corresponding to profit on a retail transaction. The explanation of this very meagre conception of dispensing has already been given at the outset of the statement. In addition to the work of dispensing being regarded from the wrong viewpoint, there is no recognition in the arrangements of the pharmacist's services in other directions, services which are actually given, and which ought to be given and would be if suitable provision were made for them. Some examples are: (1) The services of pharmacists in giving information and advice to doctors as to the presentation and variety of materia medica to be prescribed in particular cases or in general

in regard to mistakes or other questionable features of prescriptions; in this connexion attention is drawn as an example to the regulation placed upon pharmacists by the British Pharmacopœia in regard to doses. The fact that the pharmacist may have to prepare material for use in dispensing. (3) The responsibility attached to the supply of material is an important and often decisive consequence in health. (4) Advice which on numerous occasions has to be given to patients in connexion with medical supplies. One particular vice—dispensing—is abstracted from the whole and then treated on the basis of its being a simple transaction. Other criticisms are:—

Standardised Prescriptions

While the provision of standard prescriptions is for economy and for that reason is in principle and within limits commendable, striving for economy by this means has the following consequences:—

- (1) The encouragement of routine prescribing.
- (2) The carrying of the principle to an extent which means in effect that the disease and not the patient is being treated.
- (3) The undue limitation of the range of materia medica employed.
- (4) The sacrifice of refinement in composition and elegance in form, both important factors in efficient treatment.

There are no arrangements to ensure that in any particular area there is an adequate pharmaceutical service. The arrangements under which doctors are allowed to dispense suggest the importance of maintaining an adequate pharmaceutical service is under-estimated. There appears to be no provision to enable the responsible authority to take steps to provide a satisfactory pharmaceutical service when it considers the situation needs to be remedied. The question of urgent medicines outside normal hours arises in this connexion. The present arrangements are too indefinite for obtaining medicines and for payment for this service.

There is no control over the number of contractors. Under the conditions of unrestricted opening of pharmacies which obtain in Great Britain this means that there is no economic control for those undertaking the service. The opening of a new pharmacy adjacent to an existing pharmacy may have an immediate and serious effect on the latter. Furthermore, the fusion of N.H.I. work throughout pharmacies generally under these conditions has meant that in many cases the amount of work is well in relation to the resources needed to undertake it. There is everything to be said consistent with accessibility for a concentration of the medical supply services so that any pharmacy taking part in the scheme can be run to the best advantage. It will be apparent that a certain minimum of capital expenditure and both personal qualification and material equipment is required in the provision of facilities and a certain minimum of work is required to utilise these facilities to the optimum

extent. Moreover, the greater the volume of work the easier it will be to organise it to ensure the maximum of efficiency.

It is important for another reason to give attention to the extent to which the personal qualification is used. The fact that under present conditions of pharmaceutical practice the pharmacist's skill and knowledge is not fully used in many pharmacies owing to the opportunities being insufficient or to the force of other circumstances, tends to create a sense of frustration and injustice. The aim of public policy should be to ensure so far as practicable that in every pharmacy there is sufficient work of a character which requires the special skill and knowledge of the pharmacist to make it unnecessary for other work to be undertaken.

The limitation of contractors to the needs of the service would help to bring about these results. Such limitation might be on a geographical or population basis or a combination of the two, subject to the right of all existing N.H.I. contractors to participate in the new service in respect of existing pharmacies.

There is no control of the advertising of the N.H.I. service by contractors. This permits an undesirable form of competition which is detrimental to the service by giving the public a wrong impression regarding other contractors.

All N.H.I. contractors at present are independent of each other and all other sections of N.H.I. work except to the extent that rotas are established. The service in any district would be more efficient if there were organised collaboration between pharmacists and also if there were similar collaboration both individually and collectively between pharmacists and doctors for the discussion and settlement of common problems.

There are no provisions (a) to ensure that pharmacists keep up to date with the progress of medical and pharmaceutical knowledge, either by way of private study or organised revision courses. (b) To encourage research in pharmacy and pharmaceutical practice. What is done in these directions depends upon the initiative and financial support of pharmacists as individuals or through their organisations.

The service has not been a personal one. There is no distinction between pharmacists and contractors in the arrangements for participation in the scheme, yet the service is essentially personal and such as should be given by pharmacists with full authority. It is unsatisfactory that pharmacists in the employment of a contractor should not be in direct contact with the authorities and be responsible to them for the work. This means that the service should be the responsibility of the pharmacist in personal control at each pharmacy irrespective of the nature of the ownership of the business.

It is possible for shops which are not pharmacies to contract for the supply of "non-dispensed" medicines and medical and surgical appliances. This arrangement is unsound since it deprives those obtaining supplies from such shops of the services of pharmacists and at the same time weakens the position of pharmacists participating in the service.

TRADE REPORT

Spot quotations for pharmaceutical chemicals, crude drugs and essential oils represent the prices for wholesale quantities of standard quality. C.i.f. quotations do not include marine war risk insurance and other abnormal charges payable in the present emergency.

28 Essex Street, W.C.2, April 25

Pharmaceutical Chemicals

ASPIRIN.—Prices per lb. current in the home market have been advanced:—

In containers of	1 lb.	4 lb.	7 lb.
	s. d.	s. d.	s. d.
1 lb. and under 4 lb.	4 5	—	—
4 lb. and under 7 lb.	4 4	4 2½	—
7 lb. and under 14 lb.	4 3	4 1½	—
14 lb. and under 28 lb.	4 2	4 0½	3 11
28 lb. and under 112 lb.	4 1	3 11½	3 10

14–28 lb., in containers of 14 lb., 3s. 11d.
28–112 lb., in containers of 14 lb., 3s. rod.;
containers of 28 lb., 3s. 9½d. Terms net 60 months.

BORAX.—Current rates per ton are as follows: B.P. quality, granulated, £38; crystal, £39 10s. Commercial grades, £8 ton less. Packed in one-cwt. bags, delivered carriage paid in Great Britain in one-ton lots and upwards.

CAFFEINE.—Quantities of 7-lb.–28 lb. quoted per lb. as follows (supplies subject D.M.S. approval): ALKALOID, B.P., 34 CITRATE, 23s.; SODIUM BENZOATE, 23s.

PILOCARPINE.—Makers quote at the following rates per oz.: BASE, 1 oz., 27s.; 4 oz., 21s. 3 8 oz., 20s. 9d.; 25 oz., 20s. 3d. NITRATE, 1 oz. 18s. 6d.; 4 oz., 18s.; 25 oz., 17s. 6d.

SALICYLIC ACID.—Prices per lb. current in the home market have been advanced:—

In containers of	1 lb.	2 lb.	4 lb.	7 lb.
	s. d.	s. d.	s. d.	s. d.
1 lb. and under 4 lb.	2 11	2 10	—	—
4 lb. and under 7 lb.	2 10	2 9	2 8½	—
7 lb. and under 14 lb.	2 9	2 8	2 7½	2
14 lb. and under 28 lb.	2 8	2 7	2 6½	2
28 lb. and under 112 lb.	2 7	2 6	2 5½	2

14–28 lb., in containers of 14 lb., 2s. 5d.
28–112 lb., in containers of 14 lb., 2s. 4d.; in containers of 28 lb., 2s. 3½d. Terms net one month.

SODIUM SALICYLATE.—Prices per lb. current in the home market have been advanced:—

In containers of	1 lb.	2 lb.	4 lb.	7 lb.
	s. d.	s. d.	s. d.	s. d.
1 lb. and under 4 lb.	3 4½	3 3½	—	—
4 lb. and under 7 lb.	3 3½	3 2½	3 2	—
7 lb. and under 14 lb.	3 2½	3 1½	3 1	3
14 lb. and under 28 lb.	3 1½	3 0½	3 0	2
28 lb. and under 112 lb.	3 0½	2 11½	2 11	2

28–112 lb., in containers of 14 lb., 2s. 9½d.
in containers of 28 lb., 2s. 9d. Terms net 60 months.

TERPINEOL.—Pure medicinal quality is available at from 3s. 3d. to 4s. per lb. for use as antiseptics of the chloroxylenol type.

VERY quiet conditions have obtained in the London drug and chemical markets throughout the week, but the tone of most commodities has been firm. Demand has been on a fair scale, but orders are becoming increasingly difficult to fill on account of the poor supply situation. In PHARMACEUTICAL CHEMICALS, a fair business is reported in articles for immediate home consumption. Makers announce an increase of one penny per lb. in the prices of ASPIRIN, SALICYLIC ACID and SODIUM SALICYLATE. With this small advance, prices of these products compare favourably with the rates ruling in 1939. New price schedules are given.

Business in CRUDE DRUGS has again been around recent average, with few inquiries and available stocks at a low level. Prices are generally firm, with movement confined to a few pence either way. There are still no spot supplies of Cape ALOES, but it may be possible to find some small parcels of Curaçao. BALSAMS are steady at last-mentioned prices. Quiet conditions obtain for CARDAMOMS. CHILLIES is in good supply at present. ERGOT remains very scarce. Supplies of JABORANDI are no longer obtainable. JALAP is available on spot. Some Turkish LIQUORICE ROOT is quoted to come forward. SEEDS are quiet but steady.

The Directorate of Medical Supplies has announced its intention to recommend import licences for a limited quantity of VALERIAN ROOT during the period ending February 28, 1946. The Botanical Drug Importers' Section of the London Chamber of Commerce has been asked to arrange with the importers concerned for the importation of the material. Information should be sent to the Section not later than May 4 by firms which, during the years 1936 to 1941 inclusive, imported the drug (by "imported" is meant arranged the shipment and paid the overseas supplier).

Little of interest has occurred in the ESSENTIAL OILS markets during the week. ANISE (STAR) continues in small supply at high prices, with similar conditions obtaining for PEPPERMINT. CLOVE and NUTMEG are steady at English distillers' prices. Other oils outside the scope of the control scheme are unchanged, available supplies being exceedingly small.

Crude Drugs

ALOE.—There are no supplies of Cape, but all quantities of Curaçao may be available.

ANTIMONY.—English minimum 99 per cent. Sulphur is steady at £112 10s. per ton, delivered; 70 per cent., for home trade, £90.

BALSAMS.—*Peru* is at 7s. 9d. to 8s. per lb., *Canada* at 11s. 6d. per lb. *Tolu* and *Copaiba* unobtainable.

BISMUTH.—Metal is in good request at 6s. 3d. per lb. for minimum 5-cwt. lots.

BUCHU LEAVES.—Near-at-hand quoted at 3d. per lb., landed.

CARDAMOMS.—Aleppy greens are quoted at 6d. per lb.; Aleppy seed at 6s. 6d.; and at seed at 5s. 6d.

CHILLIES.—Mombasa is in good supply at 1s. per cwt.

COFFEES.—Spot price of Zanzibar is unchanged at 5½d. per lb., sellers.

DIGITALIS LEAVES.—English leaf is quoted at 6d. per lb., and Portuguese at 14s. per cwt.

ERGOT.—Continues in short supply at 6s. 6d. per lb. for available small lots of good-quality material.

GUM ACACIA.—Spot quotations for Kordofan and other sorts are steady at 75s. per cwt.; 70s. per cwt.; Talha, cleaned, 50s. per cwt., landed.

HENBANE.—Indian, 250s. per cwt.; some testing material may be had at 60s. per cwt.; Russian, 350s.; Egyptian (*muticus*), 75s.

LABORANDI.—Supplies are exhausted and the price is nominal.

JALAP.—Spot prices of available supplies are as follows: 12½ per cent., 5s. per lb.; 10½ per cent., 3s. 6d.

KAMALA.—Between 2s. 6d. and 2s. 9d. per lb. would be the spot price of material yielding 6 per cent. ash.

LIQUORICE ROOT.—Turkish, to come forward, 5s. per cwt., landed, for pharmaceutical purposes only.

NUX VOMICA.—Cochin is quoted on spot at 5s. 6d. to 40s. per cwt.; forward, 31s. to 32s., 5s. 6d.

QUASSIA.—Spot, quoted at 37s. 6d. to 40s. per cwt., according to quantity.

SEEDS.—Quiet conditions are reported from these markets, with prices unchanged. **CORIANER.**—Practically no supplies available; price nominal at 65s. per cwt. **CUMIN.**—Maltese, spot, 10s., buyers; Indian, 110s., buyers. **DILL.**—London, 85s.; Liverpool, 80s. **FENNEL.**—Higher at 100s., business done and sellers. **FRUGREEK.**—London, 75s.; Liverpool, 67s. **MUSTARD.**—Controlled prices are unchanged.

SENNA.—Alexandrian medium pods are at 1s. per lb.; Tinnevely, manufacturing grade, 1s. to 6½d.; hand-picked, 8½d. to 1s.; broken Alexandrian leaves, 1s. 3d. to 1s. 4d.; siftings, 1s. 2d.; Tinnevely, No. 1, 9d. to 10½d.; No. 2, 1s. to 7½d.; No. 3, 5½d. to 6d.

STAMONIUM LEAVES.—Indian leaves are quoted by dealers at 80s. per cwt.

STROPHANTHUS SEED.—100 per cent. Kombé seed, unchanged at 7s. to 7s. 6d. per lb., as to quantity.

TRAGACANTH.—Medium grades are quoted as follows: No. 1, white, £130 per cwt.; No. 2, white, £115; No. 3, white, £100; No. 4, white, £85; pale leaf, £60; amber leaf, £50; dark amber, £40; brown leaf, £30; red-and-brown leaf, £25; red leaf, from £20; hoggy, £12 to £15.

VALERIAN ROOT.—Only powdered Indian root is available; price, 120s. per cwt.

WAXES.—**BEES'.**—Available in London at the following prices per cwt., delivered at store, U.K., effective October 16, 1944, for ton lots: Madagascar crude, 205s. to 230s.; other sorts of crude, 238s. to 245s. (Calcutta sorts unavailable); British refined, 275s. to 305s.; British bleached slabs, 300s.; British bleached discs, 320s.; lots of under one ton, at premiums as follows: 10–20 cwt., 2s. 6d. per cwt.; 5–10 cwt., 5s. per cwt.; 1–5 cwt., 10s. per cwt.; under 1 cwt., at premiums as arranged by Association members at their discretion. **CARNAUBA.**—Fatty grey, 525s. per cwt., ex store, in minimum one-bag lots; shipment, 425s.; Primeira, 600s. per cwt., ex store; shipment, 495s., c.i.f.; medium, yellow, 575s.; shipment, 475s., c.i.f.; chalky grey, 520s.; shipment, 400s., c.i.f. (c.i.f. prices include ½ per cent. W.R.I.). **CANDELILLA.**—To arrive. Under 1 ton, 215s. per cwt.; 1–5 tons, 213s. 6d.; 5 tons and over, 212s. 6d., ex store. **OURICURI.**—Spot, 305s. to 330s. per cwt.; shipment, 260s., c.i.f.

Essential and Expressed Oils

CASTOR.—Official quotations are as follows: "Firsts," £82 per ton; "seconds," £80, both naked ex works, in bulk lots.

CITRONELLA.—Ceylon, spot, about 20s. per lb.; Java, approximately 27s. 6d., if available.

CLOVE.—English distillers' prices are firm at from 12s. 6d. to 13s. per lb., according to quantity.

COTTONSEED.—Controlled prices for bulk supplies are as follows: Crude, £52 2s. 6d.; washed, £55 5s.; refined edible, £57; refined deodorised, £58 per ton; all varieties quoted naked ex works.

EUCALYPTUS.—Any available supplies of 70 to 75s. per cent. would be worth approximately 8s. 6d. per lb.

GINGERGRASS.—Small lots are worth approximately 22s. 6d. per lb.

NUTMEG.—Quoted by English distillers at 45s. per lb.

RAPESEED.—Bulk lots are officially priced at £88 per ton, naked ex works.

Help the "Export" Trade.—Salvaged waste paper is "exported" to Germany in the form of ammunition. These "exports" pay a good dividend.

TRADE MARKS

(From "The Trade Marks Journal," April 4)

"BARCLAY'S GARDEN INSECTICIDE" (device of roses and leaves and words, "Kills insects, prevents mildew. Cleanses and freshens the foliage"); for insecticides (5). By Barclay & Co. (Liverpool), Ltd., 40 Durning Road, Liverpool, 7. B621,952.

"FRIGOSAN"; for pharmaceutical substances (human and veterinary), sanitary substances, infants and invalids' foods; disinfectants (5). By Frigonia, Ltd., 10-12 Copthall Avenue, London, E.C.2. 627,767 (Associated).

"PES-TRIDOL"; for insecticides, disinfectants, weed killers and vermin destroyers (5). By Richardson & Son (Hull), Ltd., Anlaby Park Works, Pickering Road, Hull. B631,638.

"PARTERGIN"; for pharmaceutical preparations for use in obstetrics and gynaecology, by oral administration (5). By Sandoz, Ltd., c/o Mewburn, Ellis & Co., 70-72 Chancery Lane, London, W.C.2. B631,034 (Associated).

Device of mortar and pestle and letters "C & C Ltd." across and words "Trade Mark" beneath; for medical and pharmaceutical products (5). By Coates & Cooper, Ltd., 94 Clerkenwell Road, London, E.C.1. B631,381.

"CAFRON"; for pharmaceutical preparations and substances all in tablet form and all containing aspirin and caffeine (5). By Camden Chemical Co., Ltd., Northington Street, London, W.C.1. 631,719.

"SKINTEX"; for pharmaceutical preparations for the skin (5). By A. Lloyd & Co. (1933), Ltd., Heronden New House, The Quarter, Morphew Lane, Tenterden, Kent. 632,550 (Associated).

"SCOTCH MIST"; for pharmaceutical tonic preparations (5). By Vinecta Products, Ltd., 28 Union Street, Dewsbury, Yorks. 632,650.

"LOVOCAIN"; for pharmaceutical preparations and substances (5). By Bayer Products, Ltd., 14 Waterloo Place, Pall Mall, London, S.W.1. 632,835 (Associated).

"FLASHMOUNT"; for artificial teeth (10). By Portland Plastics, Ltd., 214 Great Portland Street, London, W.1. B632,592.

"ARIEL"; for hair curlers (26). By Steels & Busks, Ltd., Ariel Works, Temple Road, North Evington, Leicester. 632,674 (Associated).

REGISTERED USERS OF REGISTERED TRADE MARKS, ENTERED IN THE REGISTER IN RESPECT OF THE GOODS STATED, WITHOUT LIMIT OF PERIOD SUBJECT TO THE CONDITIONS OR RESTRICTIONS PRINTED IN ITALICS.

Specification No. 371,361, for chemical substances (medicinal and pharmaceutical); Specification No. 485,318, for medicines (human); Specification No. 561,742, for a medicated preparation containing iodine for treatment of arthritis and rheumatoid conditions (human); Specification No. 620,147, for pharmaceutical preparations

and substances (human and veterinary); sanitary substances; infants' and invalids' foods; surgical and medical plaster bandage material; dental filling; dental wax; disinfectants; Specifications B629,670-71-72, for pharmaceutical organic substances being sulphonamide compounds for human use; all by Menley & James, —*The Trade Mark is to be used by Registered User (who is to be the sole Registered User while he remains registered) in relation to the goods only if they have been manufactured in accordance with specifications proved from time to time by the Registered Proprietor and only so long as the Registered Proprietor has the right and is permitted to inspect the goods, before distribution and on the premises of the Registered User.*

COMING EVENTS

Tuesday, May 1

WEST HAM AND EASTERN DISTRICT ASSOCIATION OF PHARMACISTS, Church Institute, Romford Road, London, E.15, at 7.30 p.m. Annual meeting.

CARDIFF PHARMACISTS' ASSOCIATION, BRANCH, Park Hotel, Cardiff, at 7.30 p.m. Annual meeting.

Wednesday, May 2

DURHAM COUNTY AND NEWCASTLE DISTRICT AND NORTHUMBERLAND BRANCHES, PHARMACEUTICAL SOCIETY, Three Tuns, Elvet, Durham, at 3 p.m. Inter-branch debate: "That the Control of Pharmacies in the Interests of the Profession."

Thursday, May 3

FOOD EDUCATION SOCIETY, London School of Hygiene and Tropical Medicine, Keble Street, London, W.C.1, at 2.30 p.m. Address by Adolphe Abrahams on "Food and Physiology."

SQUARE ASSOCIATION, Bonnington House, Southampton Row, London, W.C.1, at 7.11 p.m. Annual dance. Tickets, 7s. (including refreshments) from Mr. Michael, 17 Bloomsbury Square, W.C.1.

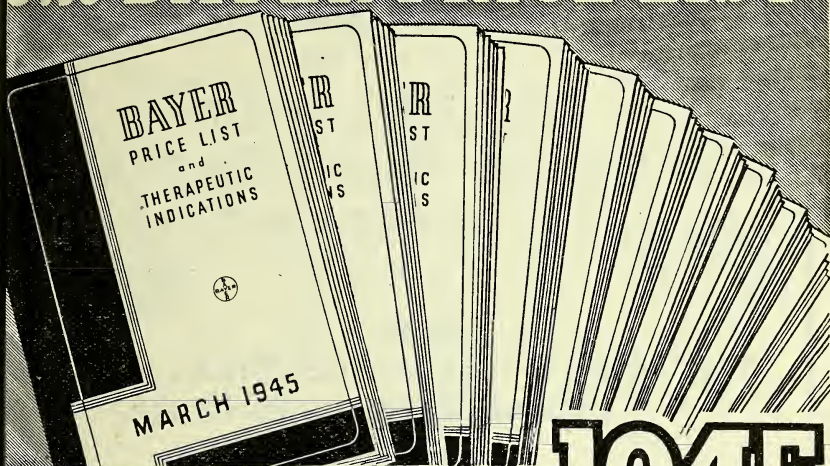
SOCIETY OF PUBLIC ANALYSTS AND OTHER ANALYTICAL CHEMISTS (Physical Methods Group), Chemical Society's Rooms, Burlington House, Piccadilly, London, W.1, at 3 p.m. Dr. H. W. Thompson on "Infrared Spectroscopy in Relation to Chemical Analysis."

Sunday, May 6

ISLE OF WIGHT BRANCH, PHARMACEUTICAL SOCIETY, London Hotel, Ryde, at 3 p.m. Mr. H. Noble, Ph.C., on "Business Today: Present and Future."

MANCHESTER PHARMACEUTICAL ASSOCIATION, Ramble to Chinley, Castleton and Huddersfield, Meet Central Station, 8.45 a.m. Book return.

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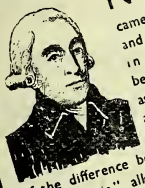
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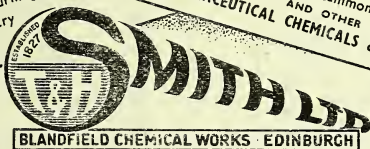
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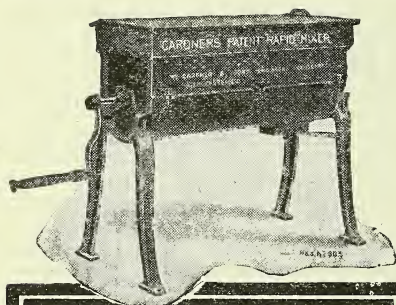
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multi-coloured advertising stamps
in exclusive designs.NEW REGULATIONS—
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PRESS LTD***Artists in the Production of Fine Labels*
BOURNEMOUTH**VELVEX**

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INTERLEAVED*Always the Best***TOILET PAPER***Velvety texture • soft
strong • hygienic***A VELVET
PRODUCT**VELVET CREPE
PAPER CO. LTDTOILET PAPER
TISSUE
HANDKERCHIEFS**Mount Pleasant, Alpertou
MIDDLESEX****LUCULLUS
BRAND****VERMOUTH
HERBS for
Export****CULINARY HERBS**
Packets and Bulk**HERBAL SMOKING
MIXTURE**
Bulk Quantities**R. BROOKS & CO**
(H. LUCAS J. L. H. LUCAS)**27 MAIDEN LANE
LONDON, W.C.2**

Phone: TEMPLE BAR 9464-28



Continuous and Steadily Advertised Goods DESTROYING RATS AND MICE

DANYSZ VIRUS

Price (Protected) Net Wholesale Price
for Rats and Mice, single tube, 2/- 15/- per doz
3 tubes, 5/-
for Mice only single tube, 1/6 9/-
3 tubes, 3/-
Expired tubes returned to us postage paid will be
exchanged free of charge.

Danzysz Virus in Liquid Form

Retail Price Wholesale Price
bottles 6/- each 4/6 each
" 4/6 " 3/9 "

HALLER'S EXTRACT OF SQUILL and DANZO RAT KILLER

Discount off Retail Prices 25% Monthly Account, or
33 1/3% Cash with Order.

Retail	Monthly A/c	Cash with Order
tins 10/-	7/6	6/8
" 18/-	13/6	12/-
" 30/-	60/-	53/4

DANZO BEETLE POWDER

Destroying Blackbeetles, Cockroaches, Crickets, etc.
Retail Prices (Protected) Wholesale Prices

tins 9d. each	6/9 per doz.
1/6 "	13/6
3/-	27/-

Beetle Powder will not deteriorate by keeping.

CARRIAGE PAID ON ALL ORDERS

To be obtained from

HALLER LABORATORIES, LTD.

5 Borough High Street, LONDON, S.E.1

Telegrams: "Virudana, Sedist, London." Telephone: HOP. 2717

THIRTY-TWO MILLION

GALLONS of LIQUINURE

SOLUTION are used every

year. The demand for this

important plant food is still

increasing. Be sure to have

a good stock for spring and

summer when our national

advertising will be at the

height. Packed in 2,6

bottles (General, Tomato, Onion),

obtainable from your wholesaler..



LIQUINURE SALES

27 Burnt Oak Broadway, Edgware, Middlesex

ONE OF OUR SPECIALITIES "

Losalls

HERMAL LINIMENT



A
Warm and
Stimulating
Liniment.

Retail Price:

1/9

Wholesale:

11/6 doz.

+ 1/11 tax

OFFHOUSE & SALTMER Ltd., HULL



REMOVES 'FUR' FROM KETTLES

Known and proved for years as the most efficient de-scaler for steam generators, water tanks, water-heating systems and many other industrial purposes, Epheta is now available for domestic use in handy 4-oz. bottles. This unique preparation removes 'fur' from kettles no matter how thick or hard, thus saving fuel, saving time, saving metal. Backed by National Advertising. Epheta sells on sight. Help the fuel situation and help yourself to quick sales and good profits by stocking and displaying Epheta.

Obtainable from your local Gas Co.'s and Electricity Co.'s showrooms, Army & Navy Stores, Harrods, Fortnum & Mason, Waring & Gillow, J. & M. Stone, J. & F. Stone, Co-operative Stores, Woolworths, Chemists, Ironmongers, Hardware Stores etc.

Sole Distributors to Chemists:
S. MAW, SON & SONS, LTD.
Aldersgate Hse., New Barnet, Herts

Manufactured by:
Epheta Manufacturing Co., Epheta House,
64 Newman Street, London, W.1

Retail
Price

1/-

per bottle

Generous
Trade
Discounts

Beucaire

shows

**A Handsome Profit ★ A
Quick Turnover ★ No
Competition with usual Lines**

Beucaire—the amazing dry cleaner—brings you *new* business. It does not compete with your standard everyday selling lines. Beucaire will also bring new customers into your shop. It helps the sale of other lines and boosts turnover.

Beucaire removes dust, grime, grease, spots and stains from all manner of wearing apparel and household furnishings without leaving a trace. It does not harm delicate fabrics or alter the colour. It is guaranteed **NON-INFLAMMABLE**. Beucaire is widely advertised in Press and periodicals. At the moment sales outstrip supplies but the supply position is improving. Write for particulars and trade terms.



BEUCAIRE

The Amazing Dry Cleaner

Retail Prices : 1/- & 2/- per bottle

BEUCAIRE LABORATORIES
VAUXHALL GROVE, LONDON, S.W.8

Tintex

**THE
BRITISH
HOME DYE**

Sold Everywhere

Wilson's
EXTRACT OF BEEF

Pure and concentrated

Awarded Certificate of Royal Institute of Public Health and Hygiene. In every way a product that the pharmacist can handle with confidence. Extremely economical.

• *Half a teaspoonful makes breakfast cup*

Sustaining, tonic and nourishing. Invaluable in convalescence. Splendid for enriching soups, stews, gravies. Makes excellent sandwiches.

Retail Jars, 1/-, 1/7, 2/2, 2/4

May we send you sample carton containing 8 jars of each of the three smaller sizes? Price 30/5d net delivered.

WILSON MEATS LTD.

91/93, Charterhouse Street, LONDON, E.C.1
24 Sir Thomas Street, LIVERPOOL 1

—Dr. White's—

KOMPO FOR COLDS

Manufactured only by
J. F. WHITE & CO., LTD.
Levington Laboratory, Benson St., Leeds,

Elastoplast

TRADE MARK BRAND

FIRST-AID DRESSINGS

The most advertised
First-Aid line

T. J. SMITH & NEPHEW, LTD. NEPTUNE ST., HULL

BIGGER PROFITS

on VALDERMA when you display the large size

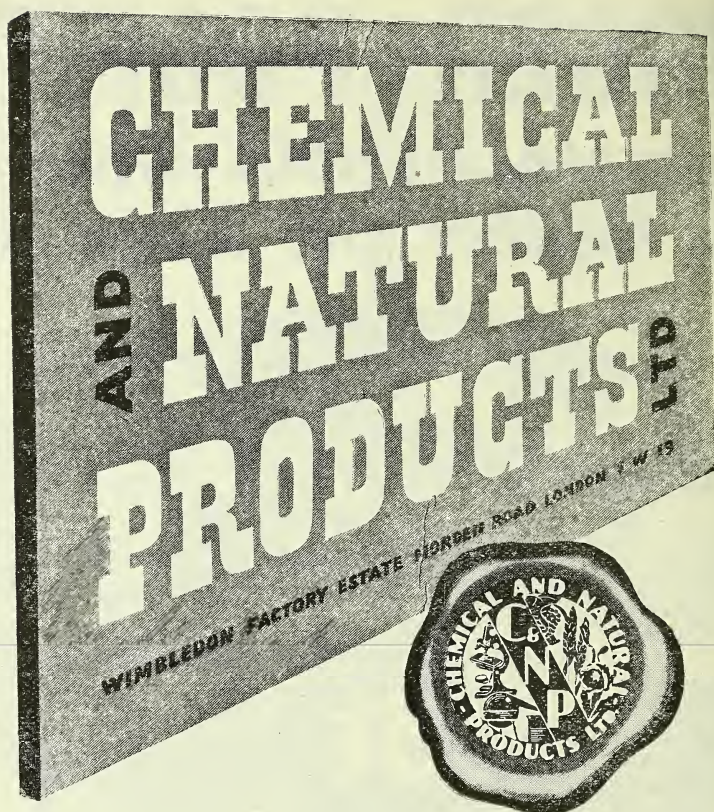


You get this attractive counter card with every order for the **LARGE** size.

0,800,000 ADVERTISEMENTS

Valderma appear every month — in National Newspapers, Provincial Newspapers and National Magazines. No wonder chemists everywhere say Valderma is one of the fastest moving lines they sell.

Standard size 2/- a jar, including Tax. Trade price 15/- per dozen. Purchase Tax 2/6 per dozen. Large size 3/6 a jar, including Tax. Trade price 26/- per dozen. Purchase Tax 4/4 per dozen. Minimum order carriage paid 3 dozen.

**DISTRIBUTORS OF:****SCRUBB'S CLOUDY AMMONIA****RAZVITE BRUSHLESS SHAVING
CREAM****CHEMINAT DISINFECTANT****SUPPLY POSITION:**

All customers rationed

} Limited Stocks.

} Not available: manufacture temporarily suspended.

 CHEMICAL & NATURAL PRODUCTS LTD., WIMBLEDON FACTORY ESTATE MORDEN ROAD, S.W.19

The CHEMIST AND DRUGGIST SUPPLEMENT

This Supplement is inserted in every copy of The Chemist & Druggist

APRIL 28
1945

28 - ESSEX STREET, LONDON, W.C.2

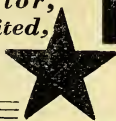
Supplement Advertisements must be prepaid and should reach us not later than FIRST POST WEDNESDAY week of issue. Box Office numbers 1/- extra. Late advertisements will be held over to following week.

Pott & Turner Ltd

Proprietors of Andrews Liver
require an experienced
man to take charge of their

MEDICAL SALES DEPARTMENT

Applicant must have a good
connection among doctors
and be capable of writing
copy both for circularising
and for medical advertise-
ments. The position offers an
excellent opportunity for de-
velopment for the right man.
Apply by letter in first in-
stance to Sales Director,
Pott & Turner Limited,
Andrews House, New-
castle-upon-Tyne.



BUSINESS OPPORTUNITIES

1/6 for 40 words or less, 2d. for every additional word.

SALES and distributing organisation covering
Northern England: Chemists, Grocers, Co-op.
res, Stationers, Drapers, Stores, Wholesalers, etc.,
open to distribute additional lines on a buying
commission basis as sole agents for area covered.
Two clashing lines carried. Prepared to pioneer
lines of outstanding merit. Will manufacturers of
lines of merit with possibilities of wide post-war
sales please communicate with CDB/387, C. & D.
London Office.

BUSINESS FOR DISPOSAL

1/6 for 40 words or less, 2d. for every additional word.

FOR SALE in Aberdeenshire, country market
centre, good class business—Chemist and Drug-
gist, Tobacconist and Stationer (established 1880)
going with shop and dwelling-house adjoining, in
excellent condition, with all modern conveniences,
good reasons for disposal. Full particulars and
editor's figures given in confidence to suitable
prospective purchaser. Apply Stephen & Smith,
Advocates, 201 Union Street, Aberdeen.

SITUATIONS OPEN

7/6 for 40 words or less, 2d. for every additional word.

Employment of Women (Control of Engagement) Order 1942

With certain exceptions, women over 18 and under 41
years of age seeking Employment and Employers seeking
to engage such women are now required to do so only
through the local office of the Ministry of Labour and
National Service or an approved employment agency.

RETAIL (HOME)

A PERMANENT post awaits a Qualified Man in
a Home Counties town, as cover. Light duties,
congenial surroundings. Elderly man not objected
to. Apply with usual particulars to 604/722, C. & D.
London Office.

A ASSISTANT urgently required for dispensing and
general duties; full particulars in first letter.
Hutt, Penryn, near Falmouth.

A ASSISTANT. Unqualified, experienced. Congenial,
high-class Pharmacy. Good progressive salary.
Write or phone Llandudno 6079. Blades, 68 Mostyn
Street, Llandudno.

GENTLEMAN required to manage busy Drug
Store in Manchester area. Write, stating full
particulars of experience and references, wages
required, and when free, 604/699, C. & D. London
Office.

HULL. Qualified Branch Manager or Manageress
required for family dispensing business. Perma-
nency. Good prospects. 605/750, C. & D. London
Office.

JOHN FROST, Chemist, Sutton Coldfield, has
Vacancy for first-class, experienced, accurate
unqualified, Dispenser, male or female, in busy
modern Dispensary; largely private dispensing;
residential area. Apply, stating salary required, and
giving highest references.

KENT. Lady or gentleman, qualified or unqua-
lified, required for Dispensary. Stonham & Son,
Ltd., 70 Bank Street, Maidstone.

LADY Assistant Dispenser (Hall), experienced
required. Apply, stating age, experience and
salary required, to Secretary, Bedford Provident
Dispensary and Public Medical Service, 3 St. Peter's
Street, Bedford.

LEAMINGTON SPA. Unqualified Assistant wan-
ted, lady or gentleman. Apply, with usual
particulars, J. Price, M.P.S., 42 Bath Street, Leam-
ington Spa.

LONDON, S.W. Experienced middle-aged Phar-
macist required to manage good-class family
business in Streatham. Congenial position. Write,
605/751, C. & D. London Office.

MANAGER required, West Country town, for
duration; good wages. 604/712, C. & D.
London Office.

ORRIDGE & Co., Employment Agency, Columbia
House, Aldwych, W.C.2, invite inquiries from
Pharmacists and Unqualified Persons requiring
Situations, except women between the ages of 18
and 41. Progressive vacancies available. Excellent
opportunities exist for Unqualified Assistants.

PHARMACIST required (male or female), exempt
from National Service, for West End Pharmacy;
dispensing and counter work; no Sunday duty.
Apply Selfridges' Staff Office.

PHARMACIST required as Branch Manager (no Sunday or half-day duty); salary according to Co-operative Pharmacy Scale. Applications, stating age, experience, etc., to the General Manager, Abersychan and Pontypool Co-operative Society, Ltd., Hanbury Road, Pontypool, Mon.

QUALIFIED Chemist required immediately to take full charge of modern Business, S.W. coast. Good prospects for keen energetic man. Apply, stating when available, salary required, references and experience. 604/695, C. & D. London Office.

QUALIFIED Chemist required to take full charge Pharmacy in busy town in Thames Valley. Excellent opportunity for energetic man. Commencing salary £400 per annum plus good flat. Apply 605/736, C. & D. London Office.

QUALIFIED Manager for nice class business; two lady assistants; no half-day or Sunday duty; permanency. A. Ll. Williams, Ltd., Chemists, Pembroke Dock.

QUALIFIED Pharmacist (male), not liable National Service, required in high-class pharmacy; permanency; West Midlands. 605/746, C. & D. London Office.

QUALIFIED Chemist required for branch; no half-day or Sunday duty; suit lady or elderly gentleman; light duties. Apply, full particulars as to salary, experience, T. H. Prichard & Son, Ltd., Chemists, Abertillery, Mon.

QUALIFIED Chemist (gentleman) required for good-class Dispensing Pharmacy in pleasant Bucks country town. Staff of five, including proprietor. Conscientious and dependable, capable of taking charge. Married; house available over shop. Good salary and prospects for keen energetic man. Apply, stating age, experience and when available. 605/729, C. & D. London Office.

TEMPORARY Drug Stores Manager or Manageress. Written applications, stating age and experience, to Oldham Industrial Co-operative Society, Ltd., King Street, Oldham, endorsed "Drug Stores."

TREDEGAR Workmen's Medical Aid Society. Wanted immediately, Pharmacist. Applications to Secretary, 10 The Circle, Tredegar, Mon., stating age, married or single, nationality, and experience, with copies of recent testimonials. Salary £337 per annum, inclusive of War Bonus. State when could commence duties.

WANTED, Part-time unqualified Assistant for Hospital; mornings only. Apply immediately by letter to the Acting House Governor, Princess Beatrice Hospital, Earl's Court, S.W.5.

WANTED, Dispenser Book-keeper; indoor preferable; for general practice, 12 miles from London, in a pleasant surrounding. State age, experience. Apply to Dr. Ghose, "Maylands," Hornchurch Road, Romford, Essex. Phone: Romford 1695.

WARWICKSHIRE. Capable Dispenser Book-keeper required in May. Outdoor accommodation available. Apply, giving full particulars experience, copies of references, salary required, to Dr. J. C. Neill, Red Roofs, Nuneaton.

LOCUMS WANTED

CORNWALL, DEVON AND SOMERSET. Qualified Pharmacists able to undertake holiday relief duties for long or short periods in the above areas are requested to communicate with the Retail Staff Manager, Timothy Whites & Taylors, Ltd., 70 Vauxhall Bridge Road, S.W.1. Convenient interviews arranged near home. Satisfactory terms.

LOCUM required for two weeks from June 24th, 1945, also any other four week period. Applications, stating terms, etc., to be addressed to the Secretary, Scunthorpe Co-operative Society, Limited, 180 High Street, Scunthorpe.

LOCUM Pharmacist required at once at Southend Municipal Hospital, Rochford, Essex. £7 7s. per week, plus cost of living bonus. Apply immediately to Medical Superintendent, Telephone No. Rochford 56278.

LOCUM required, three or four weeks in August. State free dates and terms. Mer Ltd, 265 Oldham Road, Rochdale, Lancs.

LOCUM (lady), unqualified, required for 4 weeks at £4 4s. per week. Dates on application to the Pharmacist, London Homoeopathic Hospital, Great Ormond Street, London, W.C.1.

OXFORD. Locum Pharmacists required for short term periods during the months to September inclusive, for pharmacies in Oxford. Applications to Bellmays, Dispensing Chemists, Ltd., 22A Merton Street, Oxford.

TIMOTHY WHITES & TAYLORS, LTD. require the services of several Qualified Pharmacists for relief duties in the Greater London area. Pharmacists available for short or long period in to apply. Permanent appointments where desired. Apply Retail Staff Manager, Timothy Whites & Taylors, Ltd., 70 Vauxhall Bridge Road, S.W.1.

WHOLESALE

AGENTS wanted throughout England for Pine Disinfectants in bottles and bulk tainers, also an Insecticide; commission and allowance. Write full particulars of connection territory, other agencies held, ZJ.262 Deacons Mary Axe, E.C.3.

ANALYTICAL Chemist required by York firm, Manufacturing Chemists, with a progressive programme covering the world, practical experience in soap, cosmetics, Pharmaceutical. Reply, giving particulars of experience, salary, etc., to 605/740, C. & D. London Office.

BRITISH Cod Liver Oil Producers (Hull), have a vacancy for a well-qualified University Graduate in Biochemistry with a biological ground, in their nutritional laboratory. Previous experience in animal testing and nutritional although an advantage is not essential, but applicants must have a definite inclination towards work. Apply, stating age, qualifications, experience position regarding national service, and salary required to St. Andrew's Dock, Hull.

CHEMICAL Analyst (female, 21-30), Inter-standard, experience in ferrous and non-ferrous routine analysis, required by large company disfactory in the South-West scheduled under Essential Work Order. This advertisement applies with the permission of the Ministry of Labour National Service, with exemption from restriction governing the Employment of Women. Write 7050, A.K. Advgr., 212a Shaftesbury Avenue, W.

CHEMIST, experienced in the general analysis of drugs, pharmaceuticals, medicinals, cosmetics, etc., required by firm of Manufacturing Chemists the West London area. The position offered is in Research Laboratory, and applicants should be interested in applied research and formula problems, based on sound principles and invention. Previous experience of this work is desirable. Commencing salary £402 per annum. Please write Box No. M.876, S. H. Benson, Ltd., Kingsway London, W.C.2.

EXPERIENCED Drug Counter Hands required (male); also Class 1 women workers, not liable for military service. Apply, J. F. Macfarlan & Manufacturing Chemists, 8 Elstree Way, Bore Wood, Herts. (Phone: Elstree 231).

EXPERIENCED first-class representatives with good connexion among Chemists and S required in the following areas. Lancs, Yorks, Lancs, London, by Cosmetic Manufacturers of re. Applicants must be resident on the ground and own cars preferred. Salary of secondary consideration for right men. Please give age and full particular experience and turnovers during the past year. 605/728, C. & D. London Office.

EXPORT. Experienced man to take control Export Packing and Shipping Department London. Knowledge of shipping and spirit draw essential. 605/733, C. & D. London Office.

LABORATORY Process Worker wanted, C. & D. Midlands; permanency. 605/745, C. & D. London Office.

ORATORY Assistant required by firm manufacturing medicinal proprietaries, in the West of London area. The vacancy is in the Analytical Laboratory. Previous experience in this branch is essential, but good general analytical technique required. Applicants should be exempt from National Service. Salary approximately £7 per week. Write Box No. N.877, S. H. Benson, Ltd., 15, Way Hall, London, W.C.2.

Experienced Representative required for Southern and West Counties as far as Cornwall. Large firm of wholesale cosmetic distributors; with own car preferable; salary, expenses and commission; big money for right man. Apply, 9, C. & D. London Office.

DON firm wish to contact Salesman, with first-class connexions, calling on co-operative wholesale and retail chemists, and hardware merchants; excellent commission terms offered. Write Box 178, Dorlands, 18-20 Regent Street, London, S.W.1.

MEDICAL Propagandists required by leading Pharmaceutical Company for several areas London and throughout country to visit Doctors, Veterinary Surgeons, Hospitals, and Chemists. Write, giving details, past employment, age and all relevant particulars. Applications from Forces welcomed. Write to 605/734, C. & D. London Office.

QUALIFIED Chemist required to take care of production and B.O.T. orders and the like; laboratory experimental work; £400 to £600 p.a., depending on qualifications and experience. Kapul Ltd. (Alex. Parsons), Hollinwood, Oldham.

PRESENTATIVE required, Surgical Instruments; calling on doctors and hospitals; established territory and connexion for Lancashire, Yorkshire, and Yorkshire; salary and expenses, and commission, to good, sound gentleman. Apply, 42, C. & D. London Office.

PRESENTATIVES required for Cumberland, Westmorland, N.W. and E. Riding, Norfolk, Middlesex, Herts, Cambs, Hunts, Beds, Bucks, Berks, Oxon, Hereford, Wores., S. Wales, etc., on commission basis to increase sales of reproduct through chemists; could be carried out as additional new competitive line; excellent recommendations from dental profession. Particulars of areas covered, age, and experience to 605/747, C. & D. London Office.

PRESENTATIVES required to sell excellent household products in Kent, Surrey, Sussex, and Norfolk. Good commission offered. Write Box 388, C. & D. London Office.

PRESENTATIVES calling on Retail Chemists, Hairdressers, Co-ops, and Stores, requiring additional lines on commission basis, are invited to particulars of territory covered, etc., to Samuel & Co., 222 Shaftesbury Avenue, London, W.C.2.

PRESENTATIVE (full time) required by well-established London firm of manufacturing chemists. Good prospects for first-class men with comprehensive knowledge of the trade. Write, giving age, experience, etc., to 605/731, C. & D. London Office.

QUALIFIED Chemist for work in laboratory of large manufacturers of toilet preparations. Previous manufacturing experience not essential; good prospects for right man. London area. Good terms and bonus. Apply, 605/730, C. & D. London Office.

ANTED, Assistant for Pharmaceutical Laboratory in Midlands. Qualified or experienced, fully qualified considered. State age, experience, etc., to 601/597, C. & D. London Office.

ANTED Full-time Representative having good connexion London Stores and Co-ops to push sales lines. Apply 603/667, C. & D. London Office.

WHOLESALE, with staff of 30 (N.W. England) require Manager with unimpeachable and trustworthy character. Applicants should be under excellent organisers and disciplinarians, not afraid of work. Good prospects for conscientious man. Give experience and salary required to Managing Director, 605/738, C. & D. London Office.

SITUATIONS WANTED

2/6 for 18 words or less, 1d. for every additional word.

RETAIL (HOME)

CHEMIST Assistant, long experience in good-class pharmacy and dispensing, desires post; chemist or doctor. 605/744, C. & D. London Office.

RETAIL (COLONIAL)

SOUTH AFRICA. English Pharmacist and Optician. Aged 40 (own business 14 years) requires post any capacity needing integrity and conscientious work. Studying Afrikaans. Excellent health. Wife and two young children. 605/726, C. & D. London Office.

LOCUMS SEEKING ENGAGEMENTS

PHARMACIST willing to offer services to any overworked Chemist in Torquay or Paignton. June 11 to 16 or odd periods June 5 to 21; 2s. 6d. per hour, plus expenses; details to Chemist, 29 Knowle Road, Bristol, 4.

WHOLESALE

ADVERTISING Manager, with wide and extensive experience of Pharmaceutical Advertising in both ethical and consumer fields seeks appointment with firm of first-class standing. Special knowledge of proprietary, veterinary, disinfectant and photographic markets. Practical experience in all modern forms of advertising, including exhibitions, poster, display, direct mail to medical profession, first-class literature, films, radio, technical and consumer press, market investigation and packaging. Age 40, energetic and adaptable. Would act in advisory capacity if preferred. 604/721, C. & D. London Office.

EXCLUSIVE lines required by salesman with extensive connexions amongst chemists in London area. BM/DPLN, London, W.C.1.

EXPERIENCED Representative (46), London connexion, W., S.W., and N.W. districts. Chemists and Stores, wishes to contact firm marketing high-grade products. 605/748, C. & D. London Office.

OPPORTUNITY wanted to develop Manufacturers' sales organisation. Thorough knowledge of Marketing and Sales Management. Would accept moderate salary and interest in increased business. 605/727, C. & D. London Office.

REPRESENTATIVE covering whole of Eastern Counties requires one or two good-class lines. Commission basis. Excellent connexion. 605/735, C. & D. London Office.

WILL any reputable Firm offer position as Representative (Home-Aboard) to Gentleman, very keen. Desirous of proving ability for such a position. Retail Pharmacy experience only. Discharged H.M.F. Age 34 years; 6 ft. tall; married. The usual cry is experienced man only wanted. Any help on how to get this experience would be appreciated. "C," 170 Sutton Road, Mansfield, Notts.

EXPORT TRADE

PRESENT AND POST-WAR TRADE IN MAURITIUS

L. Lising, United Distributing House, P.O. Box 25, Port Louis, Mauritius, is interested in general goods, especially Pharmaceutical Products. Offers and Agencies solicited. Can arrange to act as Stockist and Distributor and is well acquainted with Drug Houses of the Colony.

EXPORT. Well-known Manufacturing Chemists (Pharmaceuticals) desire to contact concerns interested in Export to all parts of the world. Catalogues, lists, etc., available. CDB/386, C. & D. London Office.

MESSRS. DINKER & CO., 88 Vithalbhay Patel Road, Bombay, 4, invite connexions from competitive manufacturers and reliable exporters handling Chemicals and Drugs. Bankers: Eastern Bank, Ltd., Bombay; National Bank of India, Ltd., Bombay. Reference: M/S, Biddle Sawyer & Co., Ltd., Empire House, London.

APPOINTMENTS

THE GENERAL INFIRMARY AT LEEDS

Applications are invited for the appointments of three Junior Assistant PHARMACISTS. Commencing salary, £270 6s. (female), £279 8s. (male) per annum. Meals will be provided when on duty. Night and week-end duties will be worked in rotation.

Applicants must apply in own handwriting, stating sex, age and experience, and enclose copies of not more than three recent testimonials, to the House Governor and Secretary, not later than 7th May.

THE PRINCE OF WALES'S GENERAL HOSPITAL

LONDON, N.15
(238 beds)

The Governors of the Hospital will shortly proceed to the appointment of a PHARMACIST in charge. Candidates (male or female) must hold the qualification Pharmaceutical Chemist, with administrative experience, and knowledge of the buying of drugs and surgical dressings. Salary according to the B.H.A. Scale. Federated Superannuation Scheme in force. Applications, with references, should reach the undersigned by May 14, 1945.

J. C. BURDETT,
Director and House Governor.

18th April, 1945.

WANTED

7/6 for 36 words or less, 2d. for every additional word.

ACETPHENETIDIN and Acetylsalicylic Acid required in large or small quantities; highest market prices paid. 602/654, C. & D. London Office.

ACTUAL user would like to purchase Triethanolamine and Cetyl Alcohol. Best prices paid. 601/599, C. & D. London Office.

ACTUAL Purchaser will pay top price for Aspirin or Puenacetin Powder or Granules. 598/487, C. & D. London Office.

AUTOMATIC Cream Filler wanted at once; big price paid. Shavex Co., Bavaria Road, Hollo-way, N.19.

BOTTLES, 4-oz. plain dispensing flats, screw neck (caps optional) any quantity. W. Stevens & Co., 78 Upper Richmond Road, S.W.15. Putney 2692.

CIAMPHORIC ACID. Any quantity urgently required. Please send quotation to 605/739, C. & D. London Office.

SMALL quantities Phenyl Ethyl Alcohol, Civet, Musk Ketone. Picot, Ltd., 14 High Park Road, Kew, Richmond, London.

SUPPLIES Aspirin, Phenacetin, Caffeine Citrate: highest market prices paid; 1-oz. bottles with stoppers (cork or screw); 2-lb. white Glass Jars, without caps (for small spray attachment). Box B/A/14, The Chemist & Druggist, 111 New Street, Birmingham, 2.

WANTED, Aspirin Powder, Peppermint Oil, Aniseed Oil; small or large quantities. 605/741, C. & D. London Office.

WANTED to buy: Liquorice Extract Powder, 2 tons each Liquid and Dried Malt Extract, 1 ton Caramel. Offers. 605/752, C. & D. London Office.

50 GROSS 2-oz. Bakelite screw-top, squat Cream Bottles; 50 gross 6-oz. Medical Flat Bottles, screw tops. Offers for the above or lesser quantities to 605/743, C. & D. London Office.

MISCELLANEOUS SALE

12/6 for 60 words or less, 1/- each additional 10 words

FOR Disposal. Original 40 gal. Barrel of Crystal Oil. Odourless. Sample if required. Also 20 lb. Cetaceum. Offers to: Smith (Chemists), Ltd., Nether Edge, Sheffield, 7.

LIMITED quantity $\frac{1}{2}$, 1, 2, 4-oz. Opal Pot caps, peace-time quality, extremely attractive. 60s.-99s. gross; Faber Electrical Sliderule, a complete with instruction booklet, 90s.; new used Fountain Pen, 59s. Box B/A/14, The Chemist & Druggist, 111 New Street, Birmingham, 2.

MINERAL Oil, perfectly water-white and less, in 40-gal. drums; drums on loan; per gall. delivered; three drums available. 125 Lightoaks Road, Salford, 6.

NAME Plates and Signs for Chemists neatly engraved. Send wording for full-size sketch list. (Enclose 3d. stamps.) G. Male & Son, Engravers, 367 Euston Road, London, N.W.1.

SURPLUS Universal Caps, with and without also Piccolo Caps for 1- and 2-dram bottles; 100 gross each; immediate delivery. Collins, 58 West Cromwell Road, London, S.W.

AGENCIES

7/6 for 36 words or less, 2d. for every additional word

DISTRIBUTING Agents required for New Fur Coat Cleaner, Newmex Wall Cleaner, Newmex Chimney Cleaner. (Not London). Write for terms to: Newmex Products, 12 Street, St. James's, London, S.W.1.

EGYPT. Well-established firm seeks full Agencies in the Drug Trade, Pharmaceuticals, Cosmetics, Surgical Instruments Sundries. Representative at present in this country. Replies to 605/749, C. & D. London Office.

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ESTABLISHED firm, manufacturing Surgical Dressings, also Distributors, with an alive organisation, serving about 2,000 customers Greater London, Southern Counties, Midlands Yorkshire, wish to act as Buying Agents for of repute who are manufacturers of lines suitable for Chemists, Departmental Stores, etc., etc. 1 605/732, C. & D. London Office.

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An Explanation . . . and Apology

War-time shortages of materials have recently caused delays in our deliveries and have forced upon us the necessity of confining the supply of the large size exclusively to requirements for Physician's private prescriptions, Hospital and N.H.I. dispensing purposes.

FELSOL is not discontinued, the 2/10 size remains available, but this too must, for the time being, at least, be regarded as in short supply.

Gratefully acknowledging the co-operation of our many Pharmaceutical Friends, we apologise for any inconvenience these temporarily enforced conditions, beyond our control, may impose and give the assurance that every effort is made to ensure the fairest possible distribution by executing all orders in strict rotation.

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